

M22 IEC 22.5 mm pushbuttons

# Reliable. Modular. Global.



**EATON**

*Powering Business Worldwide*

# Pushbuttons and Indicating Lights

Pushbutton—Non-Illuminated



Pushbutton—Illuminated



Indicating Light



Emergency Stop—  
Non-Illuminated



Emergency Stop—  
Illuminated



## 47.4 M22 Modular Pushbuttons

Product Description . . . . .	2
Product Selection Guide . . . . .	3
Product Selection	
Pushbuttons . . . . .	7
Indicating Lights . . . . .	26
Emergency Stops . . . . .	28
Selector Switches . . . . .	32
Mushroom Head Pushbuttons . . . . .	48
Double Pushbuttons . . . . .	54
Four-Way Pushbuttons . . . . .	58
Joysticks . . . . .	60
Potentiometers . . . . .	62
Acoustic Devices . . . . .	62
Through-the-Door Operators . . . . .	63
Bulkhead Interfaces . . . . .	63
ASi Adapter Modules . . . . .	64
Palm Switches . . . . .	65
Assembled Control Stations . . . . .	66
Accessories . . . . .	67
Coding Adapter Guide . . . . .	74
Technical Data and Specifications . . . . .	75
Dimensions . . . . .	79
Symbols Library . . . . .	85
Catalog Number Index . . . . .	93

**Note:** Supplement to Publication No. CA08102001E—Tab 47.

# 47.4 Pushbuttons and Indicating Lights

## M22 Modular Pushbuttons

M22 Modular Pushbuttons



### Contents

<i>Description</i>	<i>Page</i>
M22 Modular Pushbuttons	
Product Selection Guide .....	<b>3</b>
Accessories .....	<b>67</b>
Coding Adapter Guide .....	<b>74</b>
Technical Data and Specifications .....	<b>75</b>
Dimensions .....	<b>79</b>
Symbols Library .....	<b>85</b>
Catalog Number Index .....	<b>93</b>

### Product Description

Eaton's M22 industrial heavy-duty pushbutton line offers a wide array of functional, attractive and ergonomically designed illuminated and non-illuminated pushbuttons, selector switches, push-pulls, alternate action and twist-to-release operators. The complete illuminated line is only offered in LED light units to ensure high-quality brightness and up to 100,000 hours of LED illumination. M22 operators are available with either a silver or a black colored bezel. The space-saving modular construction of the M22 line makes on-the-job assembly fast and simplifies the stocking of both components and complete devices.

### Highly Modular and Versatile Line

- Field convertible functions (pushbuttons and selector switches), maintained to momentary
- Customizable laser engraving capabilities

### LED Indicators

- 100,000 hours of life in high-vibration environments
- Lenses specifically designed for LED illumination

### Rugged Design

- Most pushbutton operators and contact blocks exceed 5 million mechanical operations
- All components have IP66 rating, and some carry IP67 and IP69K for washdown environment; see **Page 75** for further technical data

### Innovative Technologies

- ASi communicating devices
- Palm switches

### Standards and Certifications

All operators and components are IEC/EN 60947 VDE 0660.

All operators carry an IP66 rating with some rated for washdown environment with IP67 and IP69K.

All pushbuttons, emergency-stops, indicating lights, potentiometers and selector switches carry NEMA 4X, 13.

Marine classification societies: Bureau Veritas (BV), Germanischer Lloyd (GL), and Lloyd's Register of Shipping (LR) approved.

**Features**

- Field convertible pushbuttons and mushroom operators from maintained to momentary status
- Field convertible selector switches from momentary to maintained operation and vice versa
- LED offering only for all illuminated operators
- Laser engraved pushbuttons, lenses and enclosures
- Heavy-duty construction with a minimum of IP66 and UL NEMA® type 4X / 13 on front of panel operators. Many operators even carry IP67 and IP69K, for the toughest applications
- Silver or black colored nylon bezels
- Snap-lock contact blocks and light units for front or base mounting
- Notched hole mounting with anti-rotation tab and central nut mounting on each operator
- Over 5 million mechanical operations and 1.6 million electrical (reference specification sheet)
- Direct opening action normally closed contacts
- Unique and innovative offerings, such as four-way pushbuttons and USB/ RJ45 bulkhead interfaces
- Screw or spring-cage terminals

**Benefits**

- Modular construction makes assembly fast and simplifies stocking of components and complete devices
- Field convertibility of operator status for pushbuttons and selector switches helps distributors and customers reduce inventory and increase functionality
- LED offering only for improved brightness quality and up to 100,000 hours of operation
- Plastic construction is corrosion resistant. Operators are designed for rugged environments, ideal for washdown applications (reference each operator's IP ratings and IEC/EN 60529 for ingress protection definition)
- Anti-rotation tab saves installation time and prevents operator rotation
- High mechanical and electrical life allows for use in tough and challenging applications
- Laser inscription capabilities allow for high-quality, wear-resistant markings
- All normally closed (NC) contacts are Direct Opening Action, i.e., NC contacts are physically forced open by direct linkage with the pushbutton operator in the unlikely event of contact weld
- Some M22 operators are capable of communication via ASi protocol
- M22 offers USB and RJ45 connections

**Product Selection Guide**

**Pushbuttons**



<b>Description</b>	Non-Illuminated, Flush		Non-Illuminated, Extended		Illuminated, Flush		Illuminated, Extended	
<b>Operator</b>	Momentary	Maintained	Momentary	Maintained	Momentary	Maintained	Momentary	Maintained
<b>Product Selection</b>	<b>Pages 7–9</b>	<b>Pages 10, 11</b>	<b>Pages 12, 13</b>	<b>Pages 14, 15</b>	<b>Pages 17–19</b>	<b>Pages 20, 21</b>	<b>Pages 22, 23</b>	<b>Pages 24, 25</b>

**Indicating Lights**



<b>Description</b>	Indicating Lights
<b>Product Selection</b>	<b>Pages 26, 27</b>

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Emergency Stops



<b>Description</b>	Non-Illuminated	Illuminated
<b>Product Selection</b>	<b>Pages 28, 29</b>	<b>Pages 30, 31</b>

#### Selector Switches



<b>Description</b>	Non-Illuminated Knob Type	Non-Illuminated Rotary Type	Illuminated	Key-Operated
<b>Product Selection</b>	<b>Pages 34, 35</b>	<b>Pages 36, 37</b>	<b>Pages 39–41</b>	<b>Pages 42–47</b>

#### Mushroom Head Pushbuttons



<b>Description</b>	Non-Illuminated	Non-Illuminated
<b>Operator</b>	Momentary	Maintained
<b>Product Selection</b>	<b>Pages 50, 51</b>	<b>Pages 52, 53</b>

47

#### Double Pushbuttons



<b>Description</b>	Extended Pushbuttons and Center Light	Flush Top and Center Light, Extended Bottom	Flush Pushbuttons and Center Light
<b>Operator</b>	Momentary	Momentary	—
<b>Product Selection</b>	<b>Page 55</b>	<b>Page 56</b>	<b>Page 57</b>

**Four-Way Pushbuttons**



<b>Description</b>	Non-Interlocked	Interlocked
<b>Operator</b>	Momentary	Maintained
<b>Product Selection</b>	<b>Page 59</b>	<b>Page 59</b>

**Joysticks**



<b>Description</b>	Joysticks
<b>Product Selection</b>	<b>Page 60</b>

**Potentiometers**



<b>Description</b>	Potentiometers
<b>Product Selection</b>	<b>Page 62</b>

**Acoustic Devices**



<b>Description</b>	Acoustic Devices
<b>Product Selection</b>	<b>Page 62</b>

**Through-the-Door Operators**



<b>Description</b>	Through-the-Door Operators
<b>Product Selection</b>	<b>Page 63</b>

**Bulkhead Interfaces**



<b>Description</b>	Bulkhead Interfaces
<b>Product Selection</b>	<b>Page 63</b>

**ASi Adapter Modules**



<b>Description</b>	ASi Adapter Modules
<b>Product Selection</b>	<b>Page 64</b>

**Palm Switches**



<b>Description</b>	Palm Switches
<b>Product Selection</b>	<b>Page 65</b>

**Assembled Control Stations**



<b>Description</b>	Assembled Control Stations
<b>Product Selection</b>	<b>Page 66</b>

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

Pushbuttons—Non-Illuminated and Illuminated



### Contents

<i>Description</i>	<i>Page</i>
Pushbuttons—Non-Illuminated and Illuminated	
Non-Illuminated, Flush, Momentary . . . . .	7
Non-Illuminated, Flush, Maintained . . . . .	10
Non-Illuminated, Extended, Momentary . . . . .	12
Non-Illuminated, Extended, Maintained . . . . .	14
Illuminated, Flush, Momentary . . . . .	17
Illuminated, Flush, Maintained . . . . .	20
Illuminated, Extended, Momentary . . . . .	22
Illuminated, Extended, Maintained . . . . .	24

### Pushbuttons—Non-Illuminated and Illuminated

#### Product Description

Eaton's M22 pushbutton line is a complete, modular and versatile offering. From field-convertible maintained operators to customizable laser engraved buttons, the M22 pushbutton line provides endless opportunity for flexibility and reduced inventory. Each operator type provides options for ordering as complete or component parts allowing for a perfect fit for each application. All of this flexibility comes in a very rugged design.

#### Features

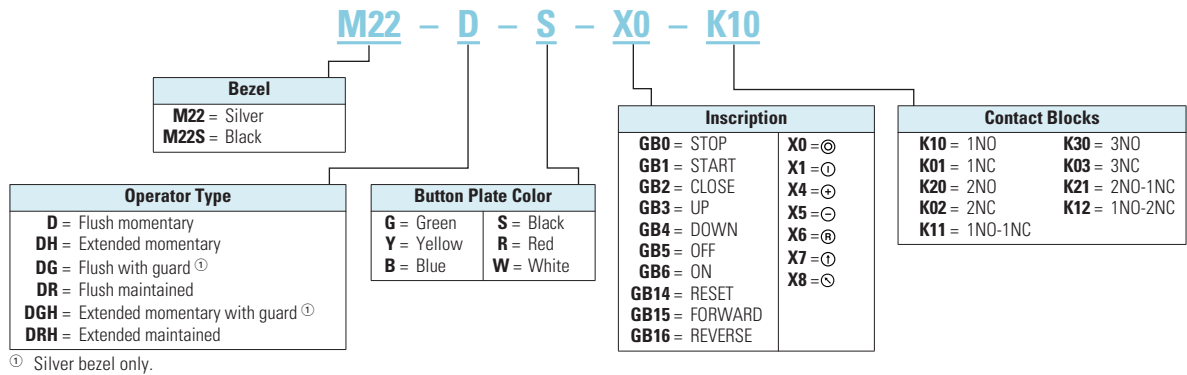
- Field convertible from maintained to momentary (available on maintained pushbuttons only)
- Customizable laser engraving on all buttons
- LED offering only for improved brightness quality and up to 100,000 hours of operation
- More than 5 million mechanical operations on momentary and 1 million on maintained pushbuttons
- Modular construction makes assembly fast and simplifies stocking of components and complete devices
- Capable of communicating via ASi protocol with ASi adapter modules

#### Protection Type

- IP67, IP69K
- NEMA 4X, 13

Catalog Number Selection

Non-Illuminated Pushbuttons




**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Product Selection

Non-Illuminated Pushbuttons, Flush, Momentary

Complete Devices

	Bezel	Button Color	Contact Block Configuration ①	Catalog Number	Price U.S. \$ ②
	Silver	Black	NO	M22-D-S-K10	19.30
			NC	M22-D-S-K01	19.30
			2NO	M22-D-S-K20	30.25
			2NC	M22-D-S-K02	30.25
			1NO-1NC	M22-D-S-K11	30.25
			1NO-1NC	M22-D-S-K11	30.25
		Red	NO	M22-D-R-K10	19.30
			NC	M22-D-R-K01	19.30
			2NO	M22-D-R-K20	30.25
			2NC	M22-D-R-K02	30.25
			1NO-1NC	M22-D-R-K11	30.25
			1NO-1NC	M22-D-R-K11	30.25
	Black	Black	NO	M22S-D-S-K10	17.60
			NC	M22S-D-S-K01	17.60
			2NO	M22S-D-S-K20	28.75
			2NC	M22S-D-S-K02	28.75
			1NO-1NC	M22S-D-S-K11	28.75
			1NO-1NC	M22S-D-S-K11	28.75
		Red	NO	M22S-D-R-K10	17.60
			NC	M22S-D-R-K01	17.60
			2NO	M22S-D-R-K20	28.75
			2NC	M22S-D-R-K02	28.75
			1NO-1NC	M22S-D-R-K11	28.75
			1NO-1NC	M22S-D-R-K11	28.75
Green	NO	M22S-D-G-K10	17.60		
	NC	M22S-D-G-K01	17.60		
	2NO	M22S-D-G-K20	28.75		
	2NC	M22S-D-G-K02	28.75		
	1NO-1NC	M22S-D-G-K11	28.75		
	1NO-1NC	M22S-D-G-K11	28.75		

**Note**



- ① All NC contact blocks are positively driven contact.
- ② Discount Symbol: **1CD7**.



### M22 Modular Pushbuttons

#### Non-Illuminated Pushbuttons, Flush, Momentary

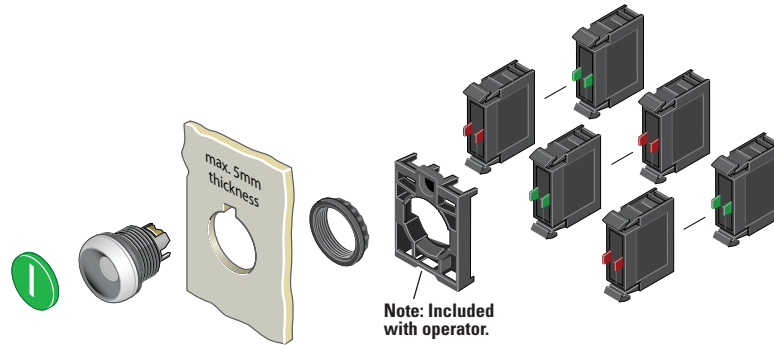
##### Operators Only <sup>①</sup>

	Bezel	Button Color	Inscription	Catalog Number	Price U.S. \$ <sup>④</sup>		
<b>M22-D-G</b> 	Silver	Black	—	<b>M22-D-S</b>	8.25		
		Red	—	<b>M22-D-R</b>	8.25		
			STOP	<b>M22-D-R-GB0</b>	9.35		
			⊙	<b>M22-D-R-X0</b>	9.35		
		Green	—	<b>M22-D-G</b>	8.25		
			START	<b>M22-D-G-GB1</b>	9.35		
			⓪	<b>M22-D-G-X1</b>	9.35		
		White	—	<b>M22-D-W</b>	8.25		
		Blue	—	<b>M22-D-B</b>	8.25		
		Yellow	—	<b>M22-D-Y</b>	8.25		
		—	—	<b>M22-D-X-SRG <sup>②</sup></b>	9.90		
		—	—	<b>M22-D-X-SWRGYB <sup>③</sup></b>	12.70		
		<b>M22S-D-G</b> 	Black	Black	—	<b>M22S-D-S</b>	6.60
				Red	—	<b>M22S-D-R</b>	6.60
	STOP			<b>M22S-D-R-GB0</b>	7.70		
	⊙			<b>M22S-D-R-X0</b>	7.70		
Green	—			<b>M22S-D-G</b>	6.60		
	START			<b>M22S-D-G-GB1</b>	7.70		
	⓪			<b>M22S-D-G-X1</b>	7.70		
White	—			<b>M22S-D-W</b>	6.60		
Blue	—			<b>M22S-D-B</b>	6.60		
Yellow	—			<b>M22S-D-Y</b>	6.60		
—	—			<b>M22S-D-X-SRG <sup>②</sup></b>	8.25		
—	—			<b>M22S-D-X-SWRGYB <sup>③</sup></b>	11.00		
<b>M22-DG-G</b> 	Silver Guarded			Black	—	<b>M22-DG-S</b>	16.50
				Red	—	<b>M22-DG-R</b>	16.50
		Green	—	<b>M22-DG-G</b>	16.50		
		White	—	<b>M22-DG-W</b>	16.50		
		Blue	—	<b>M22-DG-B</b>	16.50		
		Yellow	—	<b>M22-DG-Y</b>	16.50		
		—	—	<b>M22-DG-X-SRG <sup>②</sup></b>	18.20		
		—	—	<b>M22-DG-X-SWRGYB <sup>③</sup></b>	20.90		

##### Notes

- ① Includes contact block mounting adapter.
- ② Buttonless operator comes with 3 color buttons (Black, Red, Green).
- ③ Buttonless operator comes with all 6 color buttons (Black, White, Red, Green, Yellow, Blue).
- ④ Discount Symbol: **1CD7**.

Non-Illuminated Pushbuttons, Flush, Momentary



Components

M22-XD-G



Button Plates ①

Color	Inscription	Catalog Number	Price U.S. \$ ⑥
Black	—	M22-XD-S ②	1.10
	Custom	M22-XD-S-ETCH ③	2.20
	STOP	M22-XD-S-GB0	2.20
	START	M22-XD-S-GB1	2.20
	CLOSE	M22-XD-S-GB2	2.20
	UP	M22-XD-S-GB3	2.20
	DOWN	M22-XD-S-GB4	2.20
	OFF	M22-XD-S-GB5	2.20
	ON	M22-XD-S-GB6	2.20
	TEST	M22-XD-S-GB9	2.20
	FORWARD	M22-XD-S-GB15	2.20
	REVERSE	M22-XD-S-GB16	2.20
	RAISE	M22-XD-S-GB17	2.20
	LOWER	M22-XD-S-GB18	2.20
	⊙	M22-XD-S-X0	2.20
	⓪	M22-XD-S-X1	2.20
	⊕	M22-XD-S-X4	2.20
⊖	M22-XD-S-X5	2.20	
⓪	M22-XD-S-X7	2.20	
Red	—	M22-XD-R ②	1.10
	Custom	M22-XD-R-ETCH ③	2.20
	STOP	M22-XD-R-GB0	2.20
	OFF	M22-XD-R-GB5	2.20
	⊙	M22-XD-R-X0	2.20
Green	—	M22-XD-G ②	1.10
	Custom	M22-XD-G-ETCH ③	2.20
	START	M22-XD-G-GB1	2.20
	ON	M22-XD-G-GB6	2.20
	⓪	M22-XD-G-X1	2.20
Blue	—	M22-XD-B ②	1.10
	Custom	M22-XD-B-ETCH ③	2.20
	RESET	M22-XD-B-GB14	2.20
	Ⓟ	M22-XD-B-X6	2.20
White	—	M22-XD-W ②	1.10
	Custom	M22-XD-W-ETCH ③	2.20
	START	M22-XD-W-GB1	2.20
	⓪	M22-XD-W-X1	2.20
Yellow	—	M22-XD-Y ②	1.10
	Custom	M22-XD-Y-ETCH ③	2.20
Black, Red, Green	—	M22-XD-SRSG	2.75
Black, White, Red, Green, Yellow, Blue	—	M22-XD-SWRGYB	5.50

Buttonless Operator

Bezel	Catalog Number ④	Price U.S. \$ ⑥	
M22-D-X	Silver	M22-D-X	7.15
M22S-D-X	Black	M22S-D-X	5.50
M22-DG-X	Silver Guarded	M22-DG-X	15.40

Contact Blocks ①

Terminal Type	Contact Configuration ⑤ ⊖	Catalog Number	Price U.S. \$ ⑥
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① For complete listing of available button plates and contact blocks, see Accessories, Pages 67–72.
- ② Minimum order quantity of (10).
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XD-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ④ Includes contact block mounting adapter.
- ⑤ All NC contact blocks are positively driven contact.
- ⑥ Discount Symbol: 1CD7.



# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

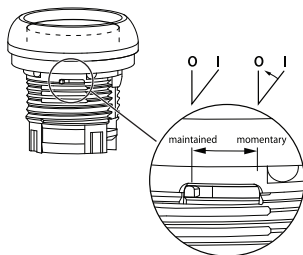
#### Non-Illuminated Pushbuttons, Flush, Maintained <sup>①</sup>

##### Operators Only <sup>②</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>⑤</sup>
<b>M22-DR-S</b> 	Silver	Black	<b>M22-DR-S</b>	11.00
		Red	<b>M22-DR-R</b>	11.00
		Green	<b>M22-DR-G</b>	11.00
		White	<b>M22-DR-W</b>	11.00
		Blue	<b>M22-DR-B</b>	11.00
		Yellow	<b>M22-DR-Y</b>	11.00
		③	<b>M22-DR-X-SRG</b>	12.70
		④	<b>M22-DR-X-SWRGYB</b>	15.40
<b>M22S-DR-S</b> 	Black	Black	<b>M22S-DR-S</b>	9.35
		Red	<b>M22S-DR-R</b>	9.35
		Green	<b>M22S-DR-G</b>	9.35
		White	<b>M22S-DR-W</b>	9.35
		Blue	<b>M22S-DR-B</b>	9.35
		Yellow	<b>M22S-DR-Y</b>	9.35
		③	<b>M22S-DR-X-SRG</b>	11.00
		④	<b>M22S-DR-X-SWRGYB</b>	13.80

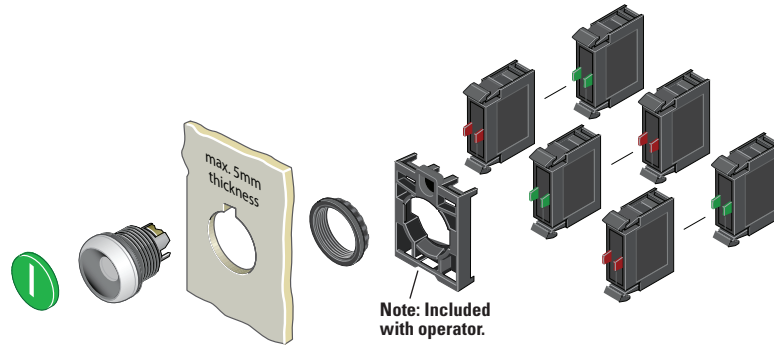
#### Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② Includes contact block mounting adapter.
- ③ Buttonless operator comes with 3 color buttons (Black, Red, Green).
- ④ Buttonless operator comes with all 6 color buttons (Black, White, Red, Green, Yellow, Blue).
- ⑤ Discount Symbol: **1CD7**.



**Note:** This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

Non-Illuminated Pushbuttons, Flush, Maintained <sup>①</sup>



Components

M22-XD-S



Button Plates <sup>②</sup>

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Black	—	M22-XD-S <sup>③</sup>	1.10
	Custom	M22-XD-S-ETCH <sup>④</sup>	2.20
	STOP	M22-XD-S-GB0	2.20
	START	M22-XD-S-GB1	2.20
	CLOSE	M22-XD-S-GB2	2.20
	UP	M22-XD-S-GB3	2.20
	DOWN	M22-XD-S-GB4	2.20
	OFF	M22-XD-S-GB5	2.20
	ON	M22-XD-S-GB6	2.20
	TEST	M22-XD-S-GB9	2.20
	FORWARD	M22-XD-S-GB15	2.20
	REVERSE	M22-XD-S-GB16	2.20
	RAISE	M22-XD-S-GB17	2.20
	LOWER	M22-XD-S-GB18	2.20
	⊙	M22-XD-S-X0	2.20
	⊙	M22-XD-S-X1	2.20
Red	—	M22-XD-R <sup>③</sup>	1.10
	Custom	M22-XD-R-ETCH <sup>④</sup>	2.20
	STOP	M22-XD-R-GB0	2.20
	OFF	M22-XD-R-GB5	2.20
	⊙	M22-XD-R-X0	2.20
Green	—	M22-XD-G <sup>③</sup>	1.10
	Custom	M22-XD-G-ETCH <sup>④</sup>	2.20
	START	M22-XD-G-GB1	2.20
	ON	M22-XD-G-GB6	2.20
	⊙	M22-XD-G-X1	2.20
Blue	—	M22-XD-B <sup>③</sup>	1.10
	Custom	M22-XD-B-ETCH <sup>④</sup>	2.20
	RESET	M22-XD-B-GB14	2.20
	Ⓜ	M22-XD-B-X6	2.20
White	—	M22-XD-W <sup>③</sup>	1.10
	Custom	M22-XD-W-ETCH <sup>④</sup>	2.20
	START	M22-XD-W-GB1	2.20
Yellow	—	M22-XD-Y <sup>③</sup>	1.10
	Custom	M22-XD-Y-ETCH <sup>④</sup>	2.20
Black, Red, Green	—	M22-XD-SRG	2.75
Black, White, Red, Green, Yellow, Blue	—	M22-XD-SWRGYB	5.50

Buttonless Operator

Bezel	Catalog Number <sup>⑤</sup>	Price U.S. \$ <sup>⑦</sup>
Silver	M22-DR-X	9.90
Black	M22S-DR-X	8.25

M22-K10



Contact Blocks <sup>②</sup>

Terminal Type	Contact Configuration <sup>⑥</sup> ⊖	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50




Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② For complete listing of available button plates and contact blocks, see Accessories, Pages 67–72.
- ③ Minimum order quantity of (10).
- ④ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XD-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ⑤ Includes contact block mounting adapter.
- ⑥ All NC contact blocks are positively driven contact.
- ⑦ Discount Symbol: 1CD7.



### M22 Modular Pushbuttons

#### Non-Illuminated Pushbuttons, Extended, Momentary

##### Complete Devices

	Bezel	Button Color	Contact Block Configuration <sup>①</sup> ⊖	Catalog Number	Price U.S. \$ <sup>⑤</sup>
<b>M22-DH-R-K10</b> 	Silver	Red	NO	<b>M22-DH-R-K10</b>	20.40
			NC	<b>M22-DH-R-K01</b>	20.40
			2NO	<b>M22-DH-R-K20</b>	31.50
			2NC	<b>M22-DH-R-K02</b>	31.50
			1NO-1NC	<b>M22-DH-R-K11</b>	31.50
<b>M22S-DH-R-K10</b> 	Black	Red	NO	<b>M22S-DH-R-K10</b>	18.70
			NC	<b>M22S-DH-R-K01</b>	18.70
			2NO	<b>M22S-DH-R-K20</b>	29.75
			2NC	<b>M22S-DH-R-K02</b>	29.75
			1NO-1NC	<b>M22S-DH-R-K11</b>	29.75
<b>M22-DGH-R-K10</b> 	Silver Guarded	Red	NO	<b>M22-DGH-R-K10</b>	28.75
			NC	<b>M22-DGH-R-K01</b>	28.75
			2NO	<b>M22-DGH-R-K20</b>	39.75
			2NC	<b>M22-DGH-R-K02</b>	39.75
			1NO-1NC	<b>M22-DGH-R-K11</b>	39.75

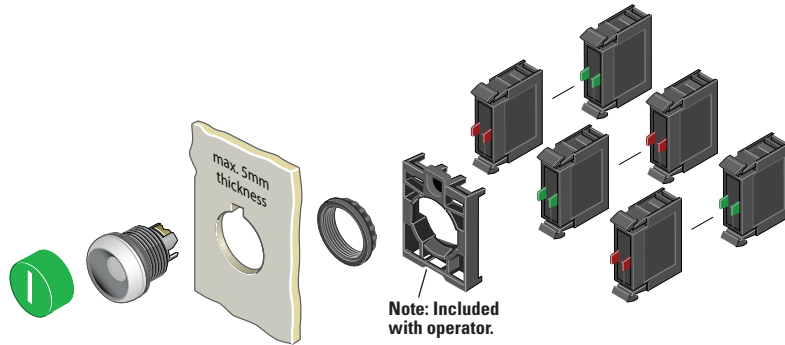
##### Operators Only<sup>②</sup>

	Bezel	Button Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑤</sup>
<b>M22-DH-R</b> 	Silver	Black	—	<b>M22-DH-S</b>	9.35
			Red	<b>M22-DH-R</b>	9.35
			STOP	<b>M22-DH-R-GB0</b>	10.50
			⊙	<b>M22-DH-R-X0</b>	10.50
			Green	<b>M22-DH-G</b>	9.35
			White	<b>M22-DH-W</b>	9.35
			Blue	<b>M22-DH-B</b>	9.35
			Yellow	<b>M22-DH-Y</b>	9.35
			③	<b>M22-DH-X-SRG</b>	12.70
			④	<b>M22-DH-X-SWRGYB</b>	18.20
			<b>M22S-DH-R</b> 	Black	Black
Red	<b>M22S-DH-R</b>	7.70			
STOP	<b>M22S-DH-R-GB0</b>	8.80			
⊙	<b>M22S-DH-R-X0</b>	8.80			
Green	<b>M22S-DH-G</b>	7.70			
White	<b>M22S-DH-W</b>	7.70			
Blue	<b>M22S-DH-B</b>	7.70			
Yellow	<b>M22S-DH-Y</b>	7.70			
③	<b>M22S-DH-X-SRG</b>	11.00			
④	<b>M22S-DH-X-SWRGYB</b>	16.50			
<b>M22-DGH-R</b> 	Silver Guarded	Black			
			Red	<b>M22-DGH-R</b>	17.60
			STOP	<b>M22-DGH-R-GB0</b>	18.70
			⊙	<b>M22-DGH-R-X0</b>	18.70
			Green	<b>M22-DGH-G</b>	17.60
			White	<b>M22-DGH-W</b>	17.60
			Blue	<b>M22-DGH-B</b>	17.60
			Yellow	<b>M22-DGH-Y</b>	17.60

##### Notes

- ① All NC contact blocks are positively driven contact.
- ② Includes contact block mounting adapter.
- ③ Buttonless operator comes with 3 color buttons (Black, Red, Green).
- ④ Buttonless operator comes with all 6 color buttons (Black, White, Red, Green, Yellow, Blue).
- ⑤ Discount Symbol: **1CD7**.

Non-Illuminated Pushbuttons, Extended, Momentary



Components

M22-XDH-R



Button Plates ①

Color	Inscription	Catalog Number	Price U.S. \$ ⑥
Black	—	M22-XDH-S ②	2.20
	Custom	M22-XDH-S-ETCH ③	3.30
	STOP	M22-XDH-S-GB0	3.30
	START	M22-XDH-S-GB1	3.30
	CLOSE	M22-XDH-S-GB2	3.30
	UP	M22-XDH-S-GB3	3.30
	DOWN	M22-XDH-S-GB4	3.30
	OFF	M22-XDH-S-GB5	3.30
	ON	M22-XDH-S-GB6	3.30
	TEST	M22-XDH-S-GB9	3.30
	FORWARD	M22-XDH-S-GB15	3.30
	REVERSE	M22-XDH-S-GB16	3.30
	RAISE	M22-XDH-S-GB17	3.30
	LOWER	M22-XDH-S-GB18	3.30
	⊙	M22-XDH-S-X0	3.30
	⓪	M22-XDH-S-X1	3.30
⊕	M22-XDH-S-X4	3.30	
⊖	M22-XDH-S-X5	3.30	
Ⓜ	M22-XDH-S-X7	3.30	
Red	—	M22-XDH-R ②	2.20
	Custom	M22-XDH-R-ETCH ③	3.30
	STOP	M22-XDH-R-GB0	3.30
	OFF	M22-XDH-R-GB5	3.30
Green	⊙	M22-XDH-R-X0	3.30
	—	M22-XDH-G ②	2.20
	Custom	M22-XDH-G-ETCH ③	3.30
	START	M22-XDH-G-GB1	3.30
	ON	M22-XDH-G-GB6	3.30
Blue	⓪	M22-XDH-G-X1	3.30
	—	M22-XDH-B ②	2.20
	Custom	M22-XDH-B-ETCH ③	3.30
	RESET	M22-XDH-B-GB14	3.30
White	Ⓜ	M22-XDH-B-X6	3.30
	—	M22-XDH-W ②	2.20
	Custom	M22-XDH-W-ETCH ③	3.30
	START	M22-XDH-W-GB1	3.30
Yellow	⓪	M22-XDH-W-X1	3.30
	—	M22-XDH-Y ②	2.20
Black, Red, Green	Custom	M22-XDH-Y-ETCH ③	3.30
	—	M22-XDH-SRG	5.50
Black, White, Red, Green, Yellow, Blue	—	M22-XDH-SWRGBYB	11.00

Buttonless Operator

Bezel	Catalog Number ④	Price U.S. \$ ⑥	
M22-D-X	Silver	M22-D-X	7.15
M22S-D-X	Black	M22S-D-X	5.50
M22-DG-X	Silver Guarded	M22-DG-X	15.40

Contact Blocks ①

M22-K10



Terminal Type	Contact Configuration ⑤ ⊖	Catalog Number	Price U.S. \$ ⑥
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① For complete listing of available button plates and contact blocks, see Accessories, Pages 67–72.
- ② Minimum order quantity of (10).
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XDH-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ④ Includes contact block mounting adapter.
- ⑤ All NC contact blocks are positively driven contact.
- ⑥ Discount Symbol: 1CD7.



# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

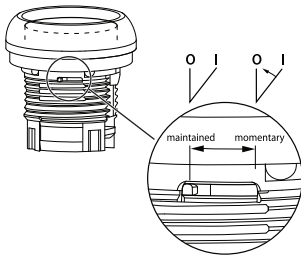
#### Non-Illuminated Pushbuttons, Extended, Maintained <sup>①</sup>

##### Operators Only <sup>②</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>⑤</sup>
<b>M22-DRH-W</b> 	Silver	Black	<b>M22-DRH-S</b>	12.10
		Red	<b>M22-DRH-R</b>	12.10
		Green	<b>M22-DRH-G</b>	12.10
		White	<b>M22-DRH-W</b>	12.10
		Blue	<b>M22-DRH-B</b>	12.10
		Yellow	<b>M22-DRH-Y</b>	12.10
		③	<b>M22-DRH-X-SRG</b>	15.40
		④	<b>M22-DRH-X-SWRGYB</b>	20.90
<b>M22S-DRH-W</b> 	Black	Black	<b>M22S-DRH-S</b>	10.50
		Red	<b>M22S-DRH-R</b>	10.50
		Green	<b>M22S-DRH-G</b>	10.50
		White	<b>M22S-DRH-W</b>	10.50
		Blue	<b>M22S-DRH-B</b>	10.50
		Yellow	<b>M22S-DRH-Y</b>	10.50
		③	<b>M22S-DRH-X-SRG</b>	13.80
		④	<b>M22S-DRH-X-SWRGYB</b>	19.30

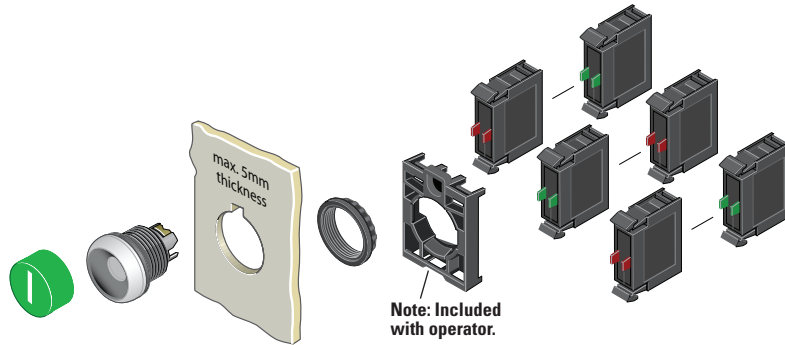
#### Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② Includes contact block mounting adapter.
- ③ Buttonless operator comes with 3 color buttons (Black, Red, Green).
- ④ Buttonless operator comes with all 6 color buttons (Black, White, Red, Green, Yellow, Blue).
- ⑤ Discount Symbol: **1CD7**.



**Note:** This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

Non-Illuminated Pushbuttons, Extended, Maintained <sup>①</sup>



Components

M22-XDH-W



Button Plates <sup>②</sup>

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Black	—	M22-XDH-S <sup>③</sup>	2.20
	Custom	M22-XDH-S-ETCH <sup>④</sup>	3.30
	STOP	M22-XDH-S-GB0	3.30
	START	M22-XDH-S-GB1	3.30
	CLOSE	M22-XDH-S-GB2	3.30
	UP	M22-XDH-S-GB3	3.30
	DOWN	M22-XDH-S-GB4	3.30
	OFF	M22-XDH-S-GB5	3.30
	ON	M22-XDH-S-GB6	3.30
	TEST	M22-XDH-S-GB9	3.30
	FORWARD	M22-XDH-S-GB15	3.30
	REVERSE	M22-XDH-S-GB16	3.30
	RAISE	M22-XDH-S-GB17	3.30
	LOWER	M22-XDH-S-GB18	3.30
	⊙	M22-XDH-S-X0	3.30
	⓪	M22-XDH-S-X1	3.30
	⊕	M22-XDH-S-X4	3.30
	⊖	M22-XDH-S-X5	3.30
⓪	M22-XDH-S-X7	3.30	
Red	—	M22-XDH-R <sup>③</sup>	2.20
	Custom	M22-XDH-R-ETCH <sup>④</sup>	3.30
	STOP	M22-XDH-R-GB0	3.30
	OFF	M22-XDH-R-GB5	3.30
	⊙	M22-XDH-R-X0	3.30
	⓪	M22-XDH-R-X1	3.30
Green	—	M22-XDH-G <sup>③</sup>	2.20
	Custom	M22-XDH-G-ETCH <sup>④</sup>	3.30
	START	M22-XDH-G-GB1	3.30
	ON	M22-XDH-G-GB6	3.30
	⓪	M22-XDH-G-X1	3.30
	⓪	M22-XDH-G-X1	3.30
Blue	—	M22-XDH-B <sup>③</sup>	2.20
	Custom	M22-XDH-B-ETCH <sup>④</sup>	3.30
	RESET	M22-XDH-B-GB14	3.30
	⓪	M22-XDH-B-X6	3.30
White	—	M22-XDH-W <sup>③</sup>	2.20
	Custom	M22-XDH-W-ETCH <sup>④</sup>	3.30
	START	M22-XDH-W-GB1	3.30
	⓪	M22-XDH-W-X1	3.30
Yellow	—	M22-XDH-Y <sup>③</sup>	2.20
	Custom	M22-XDH-Y-ETCH <sup>④</sup>	3.30
Black, Red, Green	—	M22-XDH-SRG	5.50
Black, White, Red, Green, Yellow, Blue	—	M22-XDH-SWRGB	11.00

Buttonless Operator

Bezel	Catalog Number <sup>⑤</sup>	Price U.S. \$ <sup>⑦</sup>	
M22-DR-X	Silver	M22-DR-X	9.90
M22S-DR-X	Black	M22S-DR-X	8.25

Contact Blocks <sup>②</sup>

Terminal Type	Contact Configuration <sup>⑥</sup> ⊖	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② For complete listing of available button plates and contact blocks, see Accessories, Pages 67–72.
- ③ Minimum order quantity of (10).
- ④ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XDH-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ⑤ Includes contact block mounting adapter.
- ⑥ All NC contact blocks are positively driven contact.
- ⑦ Discount Symbol: 1CD7.



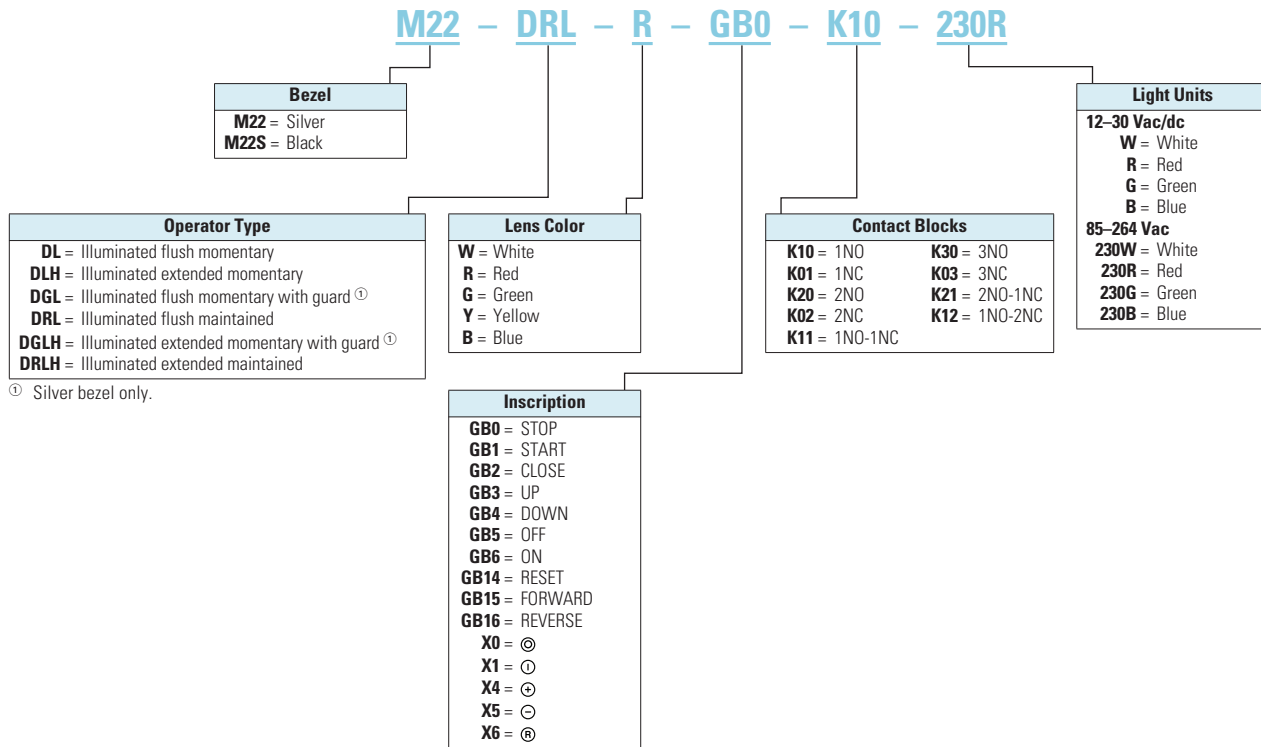
# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Catalog Number Selection

##### Illuminated Pushbuttons





**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

**Product Selection**

**Illuminated Pushbuttons, Flush, Momentary**

**Complete Devices**

	Bezel	Button Color	Contact Block Configuration <sup>①</sup> ⊖	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>②</sup>
 <p><b>M22-DL-G-K01-G</b></p>	Silver	Red	NC	12–30 Vac/dc	<b>M22-DL-R-K01-R</b>	50.50
			NC	85–264 Vac	<b>M22-DL-R-K01-230R</b>	50.50
			2NC	12–30 Vac/dc	<b>M22-DL-R-K02-R</b>	61.50
			2NC	85–264 Vac	<b>M22-DL-R-K02-230R</b>	61.50
			1NO/1NC	12–30 Vac/dc	<b>M22-DL-R-K11-R</b>	61.50
			1NO/1NC	85–264 Vac	<b>M22-DL-R-K11-230R</b>	61.50
	Green	NO	NO	12–30 Vac/dc	<b>M22-DL-G-K10-G</b>	50.50
			NO	85–264 Vac	<b>M22-DL-G-K10-230G</b>	50.50
			2NO	12–30 Vac/dc	<b>M22-DL-G-K20-G</b>	61.50
			2NO	85–264 Vac	<b>M22-DL-G-K20-230G</b>	61.50
			1NO/1NC	12–30 Vac/dc	<b>M22-DL-G-K11-G</b>	61.50
			1NO/1NC	85–264 Vac	<b>M22-DL-G-K11-230G</b>	61.50
	White	NO	NO	12–30 Vac/dc	<b>M22-DL-W-K10-W</b>	50.50
			NO	85–264 Vac	<b>M22-DL-W-K10-230W</b>	50.50
			2NO	12–30 Vac/dc	<b>M22-DL-W-K20-W</b>	61.50
			2NO	85–264 Vac	<b>M22-DL-W-K20-230W</b>	61.50
			1NO/1NC	12–30 Vac/dc	<b>M22-DL-W-K11-W</b>	61.50
			1NO/1NC	85–264 Vac	<b>M22-DL-W-K11-230W</b>	61.50
 <p><b>M22S-DL-G-K01-G</b></p>	Black	Red	NC	12–30 Vac/dc	<b>M22S-DL-R-K01-R</b>	48.75
			NC	85–264 Vac	<b>M22S-DL-R-K01-230R</b>	48.75
			2NC	12–30 Vac/dc	<b>M22S-DL-R-K02-R</b>	60.00
			2NC	85–264 Vac	<b>M22S-DL-R-K02-230R</b>	60.00
			1NO/1NC	12–30 Vac/dc	<b>M22S-DL-R-K11-R</b>	60.00
			1NO/1NC	85–264 Vac	<b>M22S-DL-R-K11-230R</b>	60.00
	Green	NO	NO	12–30 Vac/dc	<b>M22S-DL-G-K10-G</b>	48.75
			NO	85–264 Vac	<b>M22S-DL-G-K10-230G</b>	48.75
			2NO	12–30 Vac/dc	<b>M22S-DL-G-K20-G</b>	60.00
			2NO	85–264 Vac	<b>M22S-DL-G-K20-230G</b>	60.00
			1NO/1NC	12–30 Vac/dc	<b>M22S-DL-G-K11-G</b>	60.00
			1NO/1NC	85–264 Vac	<b>M22S-DL-G-K11-230G</b>	60.00
	White	NO	NO	12–30 Vac/dc	<b>M22S-DL-W-K10-W</b>	48.75
			NO	85–264 Vac	<b>M22S-DL-W-K10-230W</b>	48.75
			2NO	12–30 Vac/dc	<b>M22S-DL-W-K20-W</b>	60.00
			2NO	85–264 Vac	<b>M22S-DL-W-K20-230W</b>	60.00
			1NO/1NC	12–30 Vac/dc	<b>M22S-DL-W-K11-W</b>	60.00
			1NO/1NC	85–264 Vac	<b>M22S-DL-W-K11-230W</b>	60.00

**Note**

① All NC contact blocks are positively driven contact.

② Discount Symbol: **1CD7**.




# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Illuminated Pushbuttons, Flush, Momentary

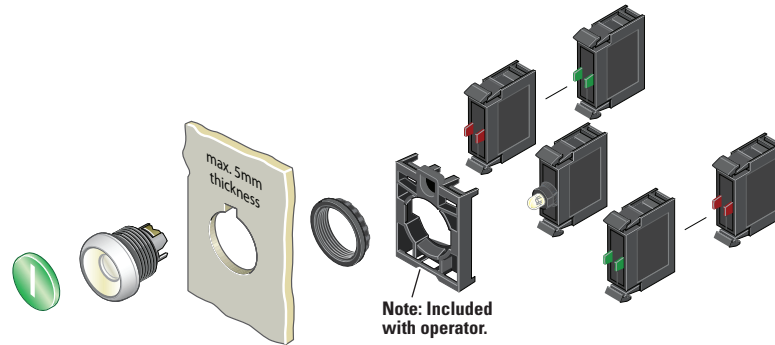
##### Operators Only <sup>①</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>②</sup>
<b>M22-DL-G</b> 	Silver	Red	<b>M22-DL-R</b>	10.70
		Green	<b>M22-DL-G</b>	10.70
		White	<b>M22-DL-W</b>	10.70
		Blue	<b>M22-DL-B</b>	10.70
		Yellow	<b>M22-DL-Y</b>	10.70
<b>M22S-DL-G</b> 	Black	Red	<b>M22S-DL-R</b>	9.00
		Green	<b>M22S-DL-G</b>	9.00
		White	<b>M22S-DL-W</b>	9.00
		Blue	<b>M22S-DL-B</b>	9.00
		Yellow	<b>M22S-DL-Y</b>	9.00
<b>M22-DGL-G</b> 	Silver Guarded	Red	<b>M22-DGL-R</b>	18.90
		Green	<b>M22-DGL-G</b>	18.90
		White	<b>M22-DGL-W</b>	18.90
		Blue	<b>M22-DGL-B</b>	18.90
		Yellow	<b>M22-DGL-Y</b>	18.90

##### Notes

- ① Includes contact block mounting adapter.
- ② Discount Symbol: **1CD7**.

Illuminated Pushbuttons, Flush, Momentary



Components

M22-XDL-G



Button Lenses ①

Color	Inscription	Catalog Number	Price U.S. \$ ⑥
Red	—	M22-XDL-R ②	1.55
	Custom	M22-XDL-R-ETCH ③	2.65
	STOP	M22-XDL-R-GB0	2.65
	OFF	M22-XDL-R-GB5	2.65
	Ⓞ	M22-XDL-R-X0	2.65
Green	—	M22-XDL-G ②	1.55
	Custom	M22-XDL-G-ETCH ③	2.65
	START	M22-XDL-G-GB1	2.65
	ON	M22-XDL-G-GB6	2.65
	Ⓛ	M22-XDL-G-X1	2.65
Blue	—	M22-XDL-B ②	1.55
	Custom	M22-XDL-B-ETCH ③	2.65
	RESET	M22-XDL-B-GB14	2.65
	Ⓡ	M22-XDL-B-X6	2.65
White	—	M22-XDL-W ②	1.55
	Custom	M22-XDL-W-ETCH ③	2.65
Yellow	—	M22-XDL-Y ②	1.55
	Custom	M22-XDL-Y-ETCH ③	2.65

Buttonless Operator

Bezel	Catalog Number ④	Price U.S. \$ ⑥
Silver	M22-DL-X	9.15

M22-DL-X



M22S-DL-X



Black	M22S-DL-X	7.50
-------	-----------	------

M22-DGL-X



Silver Guarded	M22-DGL-X	17.40
----------------	-----------	-------

M22-LED-W



Light Units ①

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ ⑥
Screw	White	12–30 Vac/dc	M22-LED-W	28.75
	Red		M22-LED-R	28.75
	Green		M22-LED-G	28.75
	Blue		M22-LED-B	28.75
Screw	White	85–264 Vac	M22-LED230-W	28.75
	Red		M22-LED230-R	28.75
	Green		M22-LED230-G	28.75
	Blue		M22-LED230-B	28.75

M22-K10



Contact Blocks ①

Terminal Type	Contact Configuration ⑤ ⊖	Catalog Number	Price U.S. \$ ⑥
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① For complete listing of available button lenses, light units and contact blocks, see Accessories, Pages 67–72.
- ② Minimum order quantity of (10).
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XDL-R-ETCH; Order Notes: Mark with symbol X91, Line item #\_\_.
- ④ Includes contact block mounting adapter.
- ⑤ All NC contact blocks are positively driven contact.
- ⑥ Discount Symbol: 1CD7.



# 47.4

## Pushbuttons and Indicating Lights



### M22 Modular Pushbuttons

#### Illuminated Pushbuttons, Flush, Maintained<sup>②</sup>

##### Complete Devices

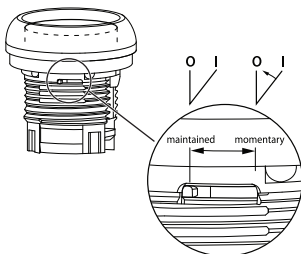
	Bezel	Button Color	Contact Block Configuration <sup>①</sup> ⊖	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>④</sup>
<b>M22-DRL-W-K10-W</b> 	Silver	White	NO	12–30 Vac/dc	<b>M22-DRL-W-K10-W</b>	57.00
			NO	85–264 Vac	<b>M22-DRL-W-K10-230W</b>	57.00
			NC	12–30 Vac/dc	<b>M22-DRL-W-K01-W</b>	57.00
			NC	85–264 Vac	<b>M22-DRL-W-K01-230W</b>	57.00
			2NO	12–30 Vac/dc	<b>M22-DRL-W-K20-W</b>	67.50
			2NO	85–264 Vac	<b>M22-DRL-W-K20-230W</b>	67.50
			2NC	12–30 Vac/dc	<b>M22-DRL-W-K02-W</b>	67.50
			2NC	85–264 Vac	<b>M22-DRL-W-K02-230W</b>	67.50
			1NO/1NC	12–30 Vac/dc	<b>M22-DRL-W-K11-W</b>	67.50
			1NO/1NC	85–264 Vac	<b>M22-DRL-W-K11-230W</b>	67.50
<b>M22S-DRL-W-K10-W</b> 	Black	White	NO	12–30 Vac/dc	<b>M22S-DRL-W-K10-W</b>	55.00
			NO	85–264 Vac	<b>M22S-DRL-W-K10-230W</b>	55.00
			NC	12–30 Vac/dc	<b>M22S-DRL-W-K01-W</b>	55.00
			NC	85–264 Vac	<b>M22S-DRL-W-K01-230W</b>	55.00
			2NO	12–30 Vac/dc	<b>M22S-DRL-W-K20-W</b>	66.00
			2NO	85–264 Vac	<b>M22S-DRL-W-K20-230W</b>	66.00
			2NC	12–30 Vac/dc	<b>M22S-DRL-W-K02-W</b>	66.00
			2NC	85–264 Vac	<b>M22S-DRL-W-K02-230W</b>	66.00
			1NO/1NC	12–30 Vac/dc	<b>M22S-DRL-W-K11-W</b>	66.00
			1NO/1NC	85–264 Vac	<b>M22S-DRL-W-K11-230W</b>	66.00

##### Operators Only<sup>③</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>④</sup>
<b>M22-DRL-W</b> 	Silver	Red	<b>M22-DRL-R</b>	17.10
		Green	<b>M22-DRL-G</b>	17.10
		White	<b>M22-DRL-W</b>	17.10
		Blue	<b>M22-DRL-B</b>	17.10
		Yellow	<b>M22-DRL-Y</b>	17.10
<b>M22S-DRL-W</b> 	Black	Red	<b>M22S-DRL-R</b>	15.40
		Green	<b>M22S-DRL-G</b>	15.40
		White	<b>M22S-DRL-W</b>	15.40
		Blue	<b>M22S-DRL-B</b>	15.40
		Yellow	<b>M22S-DRL-Y</b>	15.40

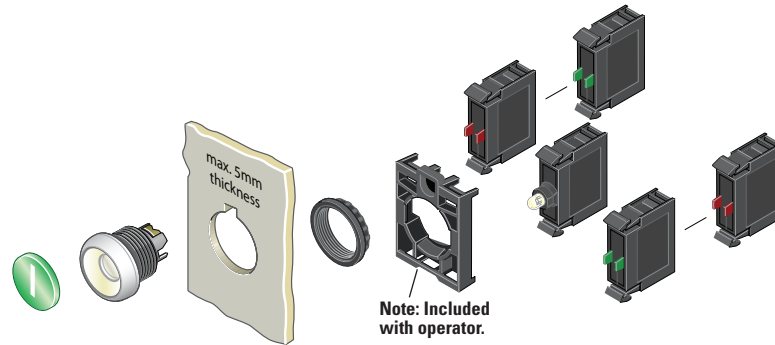
#### Notes

- ① All NC contact blocks are positively driven contact.
- ② Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ③ Includes contact block mounting adapter.
- ④ Discount Symbol: **1CD7**.



**Note:** This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

Illuminated Pushbuttons, Flush, Maintained<sup>①</sup>



Components

M22-XDL-W



Button Lenses<sup>②</sup>

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Red	—	<b>M22-XDL-R</b> <sup>③</sup>	1.55
	Custom	<b>M22-XDL-R-ETCH</b> <sup>④</sup>	2.65
	STOP	<b>M22-XDL-R-GB0</b>	2.65
	OFF	<b>M22-XDL-R-GB5</b>	2.65
	Ⓞ	<b>M22-XDL-R-X0</b>	2.65
Green	—	<b>M22-XDL-G</b> <sup>③</sup>	1.55
	Custom	<b>M22-XDL-G-ETCH</b> <sup>④</sup>	2.65
	START	<b>M22-XDL-G-GB1</b>	2.65
	ON	<b>M22-XDL-G-GB6</b>	2.65
	Ⓛ	<b>M22-XDL-G-X1</b>	2.65
Blue	—	<b>M22-XDL-B</b> <sup>③</sup>	1.55
	Custom	<b>M22-XDL-B-ETCH</b> <sup>④</sup>	2.65
	RESET	<b>M22-XDL-B-GB14</b>	2.65
White	—	<b>M22-XDL-W</b> <sup>③</sup>	1.55
	Custom	<b>M22-XDL-W-ETCH</b> <sup>④</sup>	2.65
Yellow	—	<b>M22-XDL-Y</b> <sup>③</sup>	1.55
	Custom	<b>M22-XDL-Y-ETCH</b> <sup>④</sup>	2.65

Buttonless Operator

Bezel	Catalog Number <sup>⑤</sup>	Price U.S. \$ <sup>⑦</sup>
Silver	<b>M22-DRL-X</b>	15.50

M22-DRL-X



M22S-DRL-X



Black	<b>M22S-DRL-X</b>	13.90
-------	-------------------	-------

M22-LED-W



Light Units<sup>②</sup>

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	White	12–30 Vac/dc	<b>M22-LED-W</b>	28.75
	Red		<b>M22-LED-R</b>	28.75
	Green	<b>M22-LED-G</b>	28.75	
	Blue	<b>M22-LED-B</b>	28.75	
Screw	White	85–264 Vac	<b>M22-LED230-W</b>	28.75
	Red		<b>M22-LED230-R</b>	28.75
	Green		<b>M22-LED230-G</b>	28.75
	Blue		<b>M22-LED230-B</b>	28.75

M22-K10



Contact Blocks<sup>②</sup>



Terminal Type	Contact Configuration <sup>⑤</sup> ⊖	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	NO	<b>M22-K10</b>	11.00
	NO, Early-Make	<b>M22-K10P</b>	12.10
	NC	<b>M22-K01</b>	11.00
	NC, Late-Break	<b>M22-K01D</b>	12.10
Spring-Cage	NO	<b>M22-CK10</b>	14.80
	NC	<b>M22-CK01</b>	14.80
	NC, Late-Break	<b>M22-CK01D</b>	15.80
	2NO	<b>M22-CK20</b>	29.50
	2NC	<b>M22-CK02</b>	29.50
	NO-NC	<b>M22-CK11</b>	29.50

Notes




- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② For complete listing of available button lenses, light units and contact blocks, see Accessories, **Pages 67–72**.
- ③ Minimum order quantity of (10).
- ④ When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-XDL-R-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ⑤ Includes contact block mounting adapter.
- ⑥ All NC contact blocks are positively driven contact.
- ⑦ Discount Symbol: **1CD7**.

#### Illuminated Pushbuttons, Extended, Momentary

##### Complete Devices

	Bezel	Button Color	Contact Block Configuration <sup>①</sup> ⊖	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>M22-DLH-R-K11-R</b> 	Silver	Red	1NO/1NC	12–30 Vac/dc	<b>M22-DLH-R-K11-R</b>	63.00
			1NO/1NC	85–264 Vac	<b>M22-DLH-R-K11-230R</b>	63.00
		Green	2NO	12–30 Vac/dc	<b>M22-DLH-G-K20-G</b>	63.00
			2NO	85–264 Vac	<b>M22-DLH-G-K20-230G</b>	63.00
		White	2NO	12–30 Vac/dc	<b>M22-DLH-W-K20-W</b>	63.00
			2NO	85–264 Vac	<b>M22-DLH-W-K20-230W</b>	63.00
<b>M22S-DLH-R-K11-R</b> 	Black	Red	1NO/1NC	12–30 Vac/dc	<b>M22S-DLH-R-K11-R</b>	61.00
			1NO/1NC	85–264 Vac	<b>M22S-DLH-R-K11-230R</b>	61.00
		Green	2NO	12–30 Vac/dc	<b>M22S-DLH-G-K20-G</b>	61.00
			2NO	85–264 Vac	<b>M22S-DLH-G-K20-230G</b>	61.00
		White	2NO	12–30 Vac/dc	<b>M22S-DLH-W-K20-W</b>	61.00
			2NO	85–264 Vac	<b>M22S-DLH-W-K20-230W</b>	61.00

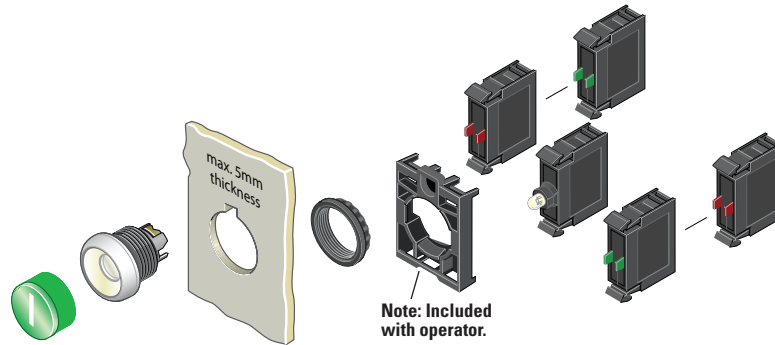
##### Operators Only <sup>②</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>M22-DLH-R</b> 	Silver	Red	<b>M22-DLH-R</b>	11.80
		Green	<b>M22-DLH-G</b>	11.80
		White	<b>M22-DLH-W</b>	11.80
		Blue	<b>M22-DLH-B</b>	11.80
		Yellow	<b>M22-DLH-Y</b>	11.80
<b>M22S-DLH-R</b> 	Black	Red	<b>M22S-DLH-R</b>	10.10
		Green	<b>M22S-DLH-G</b>	10.10
		White	<b>M22S-DLH-W</b>	10.10
		Blue	<b>M22S-DLH-B</b>	10.10
		Yellow	<b>M22S-DLH-Y</b>	10.10
<b>M22-DGLH-R</b> 	Silver Guarded	Red	<b>M22-DGLH-R</b>	20.00
		Green	<b>M22-DGLH-G</b>	20.00
		White	<b>M22-DGLH-W</b>	20.00
		Blue	<b>M22-DGLH-B</b>	20.00
		Yellow	<b>M22-DGLH-Y</b>	20.00

##### Notes

- ① All NC contact blocks are positively driven contact.
- ② Includes contact block mounting adapter.
- ③ Discount Symbol: **1CD7**.

Illuminated Pushbuttons, Extended, Momentary



Components

M22-XDH-R



Button Lenses ①

Color	Inscription	Catalog Number	Price U.S. \$ ⑥
Red	—	M22-XDLH-R ②	2.65
	Custom	M22-XDLH-R-ETCH ③	3.75
	STOP	M22-XDLH-R-GB0	3.75
	OFF	M22-XDLH-R-GB5	3.75
	Ⓞ	M22-XDLH-R-X0	3.75
Green	—	M22-XDLH-G ②	2.65
	Custom	M22-XDLH-G-ETCH ③	3.75
	START	M22-XDLH-G-GB1	3.75
	ON	M22-XDLH-G-GB6	3.75
	Ⓛ	M22-XDLH-G-X1	3.75
Blue	—	M22-XDLH-B ②	2.65
	Custom	M22-XDLH-B-ETCH ③	3.75
	RESET	M22-XDLH-B-GB14	3.75
	Ⓡ	M22-XDLH-B-X6	3.75
White	—	M22-XDLH-W ②	2.65
	Custom	M22-XDLH-W-ETCH ③	3.75
Yellow	—	M22-XDLH-Y ②	2.65
	Custom	M22-XDLH-Y-ETCH ③	3.75

Buttonless Operator

Bezel	Catalog Number ④	Price U.S. \$ ⑥
Silver	M22-DL-X	9.15

M22-DL-X



M22S-DL-X



Black	M22S-DL-X	7.50
-------	-----------	------

M22-DGL-X



Silver Guarded	M22-DGL-X	17.40
----------------	-----------	-------

M22-LED-W



Light Units ①

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ ⑥
Screw	White	12–30 Vac/dc	M22-LED-W	28.75
	Red		M22-LED-R	28.75
	Green		M22-LED-G	28.75
	Blue		M22-LED-B	28.75
Screw	White	85–264 Vac	M22-LED230-W	28.75
	Red		M22-LED230-R	28.75
	Green		M22-LED230-G	28.75
	Blue		M22-LED230-B	28.75

M22-K10



Contact Blocks ①

Terminal Type	Contact Configuration ⑤ ⊖	Catalog Number	Price U.S. \$ ⑥
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① For complete listing of available button lenses, light units and contact blocks, see Accessories, Pages 67–72.
- ② Minimum order quantity of (10).
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XDH-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ④ Includes contact block mounting adapter.
- ⑤ All NC contact blocks are positively driven contact.
- ⑥ Discount Symbol: 1CD7.




# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Illuminated Pushbuttons, Extended, Maintained <sup>①</sup>

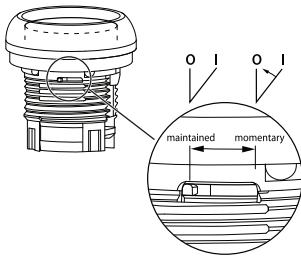
##### Operators Only <sup>②</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>M22-DRLH-W</b> 	Silver	Red	<b>M22-DRLH-R</b>	18.20
		Green	<b>M22-DRLH-G</b>	18.20
		White	<b>M22-DRLH-W</b>	18.20
		Blue	<b>M22-DRLH-B</b>	18.20
		Yellow	<b>M22-DRLH-Y</b>	18.20

<b>M22S-DRLH-W</b> 	Black	Red	<b>M22S-DRLH-R</b>	16.50
		Green	<b>M22S-DRLH-G</b>	16.50
		White	<b>M22S-DRLH-W</b>	16.50
		Blue	<b>M22S-DRLH-B</b>	16.50
		Yellow	<b>M22S-DRLH-Y</b>	16.50

#### Notes

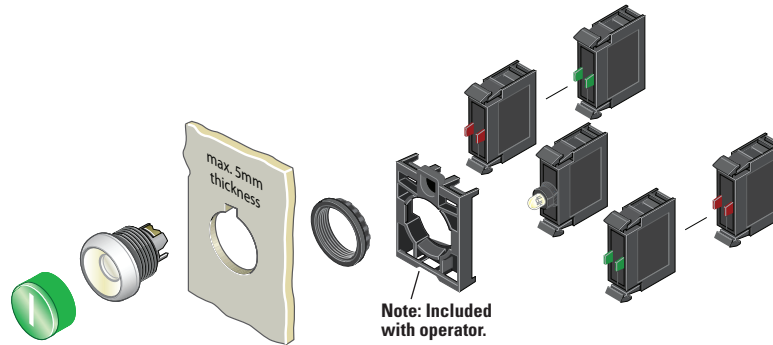
- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② Includes contact block mounting adapter
- ③ Discount Symbol: **1CD7**.



**Note:** This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

## M22 Modular Pushbuttons

### Illuminated Pushbuttons, Extended, Maintained <sup>①</sup>



### Components

#### M22-XDLH-W



#### Button Lenses <sup>②</sup>

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Red	—	<b>M22-XDLH-R</b> <sup>③</sup>	2.65
	Custom	<b>M22-XDLH-R-ETCH</b> <sup>④</sup>	3.75
	STOP	<b>M22-XDLH-R-GB0</b>	3.75
	OFF	<b>M22-XDLH-R-GB5</b>	3.75
	Ⓞ	<b>M22-XDLH-R-X0</b>	3.75
Green	—	<b>M22-XDLH-G</b> <sup>③</sup>	2.65
	Custom	<b>M22-XDLH-G-ETCH</b> <sup>④</sup>	3.75
	START	<b>M22-XDLH-G-GB1</b>	3.75
	ON	<b>M22-XDLH-G-GB6</b>	3.75
	Ⓛ	<b>M22-XDLH-G-X1</b>	3.75
Blue	—	<b>M22-XDLH-B</b> <sup>③</sup>	2.65
	Custom	<b>M22-XDLH-B-ETCH</b> <sup>④</sup>	3.75
	RESET	<b>M22-XDLH-B-GB14</b>	3.75
White	—	<b>M22-XDLH-W</b> <sup>③</sup>	2.65
	Custom	<b>M22-XDLH-W-ETCH</b> <sup>④</sup>	3.75
Yellow	—	<b>M22-XDLH-Y</b> <sup>③</sup>	2.65
	Custom	<b>M22-XDLH-Y-ETCH</b> <sup>④</sup>	3.75

#### Buttonless Operator

Bezel	Catalog Number <sup>⑤</sup>	Price U.S. \$ <sup>⑦</sup>
Silver	<b>M22-DRL-X</b>	15.50

#### M22-DRL-X



#### M22S-DRL-X



Black	<b>M22S-DRL-X</b>	13.90
-------	-------------------	-------

#### M22-LED-W



#### Light Units <sup>②</sup>

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>⑦</sup>
—	White	12–30 Vac/dc	<b>M22-LED-W</b>	28.75
	Red		<b>M22-LED-R</b>	28.75
	Green	<b>M22-LED-G</b>	28.75	
	Blue	<b>M22-LED-B</b>	28.75	
—	White	85–264 Vac	<b>M22-LED230-W</b>	28.75
	Red		<b>M22-LED230-R</b>	28.75
	Green		<b>M22-LED230-G</b>	28.75
	Blue		<b>M22-LED230-B</b>	28.75

#### M22-K10



#### Contact Blocks <sup>②</sup>

Terminal Type	Contact Configuration <sup>⑥</sup> ⊖	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	NO	<b>M22-K10</b>	11.00
	NO, Early-Make	<b>M22-K10P</b>	12.10
	NC	<b>M22-K01</b>	11.00
	NC, Late-Break	<b>M22-K01D</b>	12.10
Spring-Cage	NO	<b>M22-CK10</b>	14.80
	NC	<b>M22-CK01</b>	14.80
	NC, Late-Break	<b>M22-CK01D</b>	15.80
	2NO	<b>M22-CK20</b>	29.50
	2NC	<b>M22-CK02</b>	29.50
	NO-NC	<b>M22-CK11</b>	29.50

#### Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② For complete listing of available button lenses, light units and contact blocks, see Accessories, **Pages 67–72**.
- ③ Minimum order quantity of (10).
- ④ When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-XDLH-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ⑤ Includes contact block mounting adapter.
- ⑥ All NC contact blocks are positively driven contact.
- ⑦ Discount Symbol: **1CD7**.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Indicating Lights

##### Product Description

Eaton's M22 indicating lights use the combination of a durable, bright LED unit and modern lenses designed specifically for this type of LED to create a bright and visible indicating light.

As with the pushbuttons, the indicating light lenses can be laser engraved. Indicating lights can be ordered as complete devices, including lens and LED unit, or as modular components.

##### Features

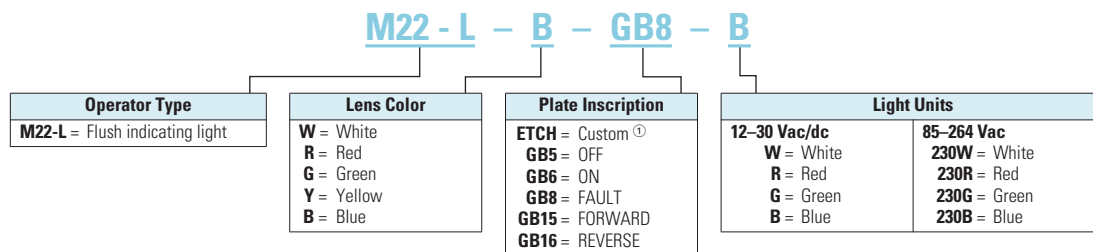
- Customizable laser engraving on all lenses
- LED offering only for improved brightness quality and up to 100,000 hours of operation
- Lenses designed specifically for LED illumination
- Modular construction makes assembly fast and simplifies stocking of components and complete devices
- Capable of communicating via ASi protocol with ASi adapter modules

##### Protection Type

- IP67, IP69K
- NEMA 4X, 13

#### Catalog Number Selection

##### Indicating Lights



<sup>①</sup> When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-L-B-ETCH; Order Notes: Mark with symbol X91, Line item #\_.

**Note:** Light unit should match color of lens. Use white light unit with yellow lens.

**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

## 47

#### Product Selection

##### Indicating Lights, Flush

###### M22-L-R-R



##### Complete Devices

Lens Color	Light Color	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>②</sup>
White	White	12–30 Vac/dc	<b>M22-L-W-W</b>	40.50
Red	Red		<b>M22-L-R-R</b>	40.50
Green	Green		<b>M22-L-G-G</b>	40.50
Yellow	White		<b>M22-L-Y-W</b>	40.50
Blue	Blue		<b>M22-L-B-B</b>	40.50
White	White	85–264 Vac	<b>M22-L-W-230W</b>	40.50
Red	Red		<b>M22-L-R-230R</b>	40.50
Green	Green		<b>M22-L-G-230G</b>	40.50
Yellow	White		<b>M22-L-Y-230W</b>	40.50
Blue	Blue		<b>M22-L-B-230B</b>	40.50

###### M22-L-R



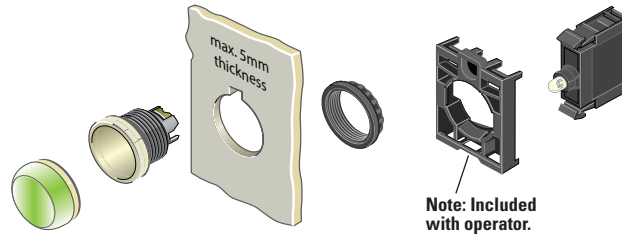
##### Operators Only <sup>①</sup>

Lens Color	Catalog Number	Price U.S. \$ <sup>②</sup>
White	<b>M22-L-W</b>	11.80
Red	<b>M22-L-R</b>	11.80
Green	<b>M22-L-G</b>	11.80
Yellow	<b>M22-L-Y</b>	11.80
Blue	<b>M22-L-B</b>	11.80

##### Notes

- <sup>①</sup> Includes contact block mounting adapter.
- <sup>②</sup> Discount Symbol: **1CD7**.

Indicating Lights, Flush



Components

M22-XL-R



Lenses ①

Color	Inscription	Catalog Number	Price U.S. \$ ⑤
Red	—	M22-XL-R ②	7.25
	Custom	M22-XL-R-ETCH ③	8.35
	OFF	M22-XL-R-GB5	8.35
Green	—	M22-XL-G ②	7.25
	Custom	M22-XL-G-ETCH ③	8.35
	ON	M22-XL-G-GB6	8.35
	REVERSE	M22-XL-G-GB16	8.35
Blue	—	M22-XL-B ②	7.25
	Custom	M22-XL-B-ETCH ③	8.35
	FAULT	M22-XL-B-GB8	8.35
White	—	M22-XL-W ②	7.25
	Custom	M22-XL-W-ETCH ③	8.35
	OFF	M22-XL-W-GB5	8.35
	ON	M22-XL-W-GB6	8.35
	FAULT	M22-XL-W-GB8	8.35
Yellow	—	M22-XL-Y ②	7.25
	Custom	M22-XL-Y-ETCH ③	8.35

M22-LED-W



Light Units ①④

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ ⑤
Screw	White	12–30	M22-LED-W	28.75
	Red	Vac/dc	M22-LED-R	28.75
	Green		M22-LED-G	28.75
	Blue		M22-LED-B	28.75
Screw	White	85–264	M22-LED230-W	28.75
	Red	Vac	M22-LED230-R	28.75
	Green		M22-LED230-G	28.75
	Blue		M22-LED230-B	28.75

Notes

- ① For complete listing of available lenses and light units, see Accessories, Pages 67–72.
- ② Minimum order quantity of (10).
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XL-R-ETCH; Order Notes: Mark with symbol X91, Line item #\_\_.
- ④ Select the same color LED element as lens color; for yellow lens, choose a white LED.
- ⑤ Discount Symbol: 1CD7.

M22-L-X



Lensless Indicating Light

Catalog Number	Price U.S. \$ ⑤
M22-L-X	4.45

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Emergency Stops

##### Product Description

Eaton's M22 emergency stops are a durable and reliable solution to a variety of e-stop applications. With standard push-pull, as well as twist-to-release and key-release, illuminated options and red or black operators,

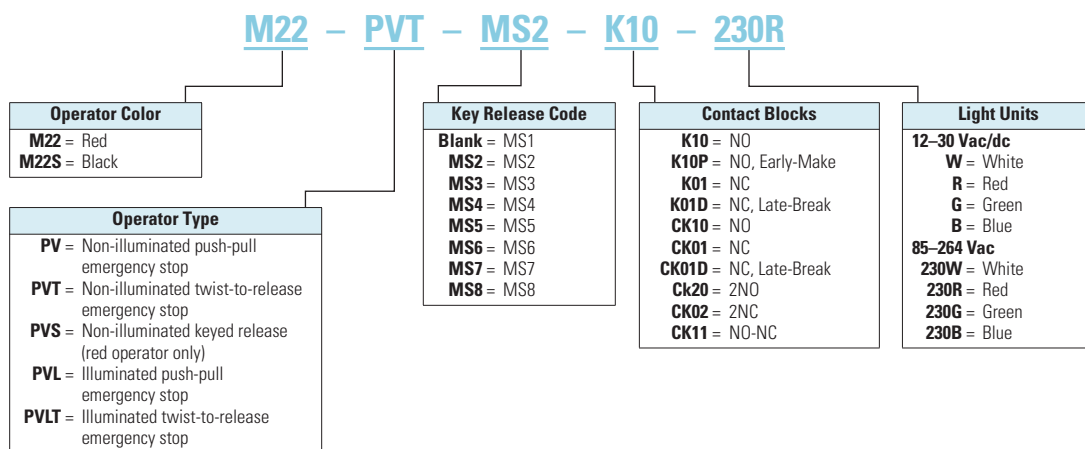
the M22 e-stop is a robust solution. As with all operators, they can be ordered as a ready to install complete device or as modular components for the perfect fit.

##### Features

- Push-pull and twist to release options available as well as illuminated and keyed release
  - LED offering only for improved brightness quality and up to 100,000 hours of operation
  - More than 100,000 mechanical operations
  - Capable of communicating via ASi protocol with ASi adapter modules
- Protection Type**
- IP67, IP69K (IP66 key-release)
  - NEMA 4X, 13

#### Catalog Number Selection

##### Emergency Stops



47

Note: Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

#### Product Selection

##### Non-Illuminated Emergency Stops

M22-PV-K01

##### Complete Devices

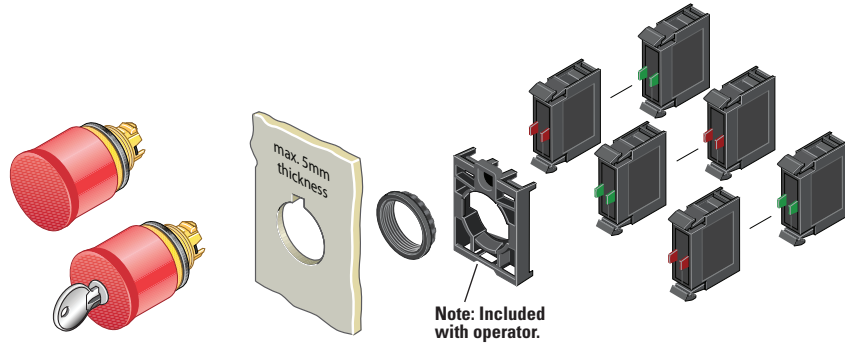


Type	Color	Contact Block Configuration <sup>①</sup>	Catalog Number	Price U.S. \$ <sup>②</sup>
Push-Pull	Red	NC	M22-PV-K01	33.75
		2NC	M22-PV-K02	44.75
		1NO-2NC	M22-PV-K12	55.50
Twist-to-Release	Red	NC	M22-PVT-K01	51.50
		2NC	M22-PVT-K02	63.00
		1NO-2NC	M22-PVT-K12	73.00
Key Release	Red	NC	M22-PVS-K01	85.00
		2NC	M22-PVS-K02	95.50
		1NO-2NC	M22-PVS-K12	106.00

**Note**

- ① All NC contact blocks are positively driven contact.
- ② Discount Symbol: **1CD7**.

Non-Illuminated Emergency Stops



Components

Operators Only <sup>①</sup>

Type	Color	Catalog Number	Price U.S. \$ <sup>⑦</sup>
M22-PV	Red	M22-PV	22.70
	Black	M22S-PV	22.70



M22S-PVT	Twist-to-Release	Red	M22-PVT	40.50
		Black	M22S-PVT	40.50
Key Release <sup>④</sup>		Red	M22-PVS <sup>⑤</sup>	74.00
			M22-PVS-MS2	74.00
			M22-PVS-MS3	74.00
			M22-PVS-MS4	74.00
			M22-PVS-MS5	74.00
			M22-PVS-MS6	74.00
			M22-PVS-MS7	74.00
			M22-PVS-MS8	74.00



Contact Blocks <sup>②</sup>

Terminal Type	Contact Configuration <sup>③</sup>	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50



M22-ES-MS1



Extra Keys <sup>⑥</sup>

For Key Code	Catalog Number	Price U.S. \$ <sup>⑦</sup>
MS1	M22-ES-MS1	4.85
MS2	M22-ES-MS2	5.85
MS3	M22-ES-MS3	5.85
MS4	M22-ES-MS4	5.85
MS5	M22-ES-MS5	5.85
MS6	M22-ES-MS6	5.85
MS7	M22-ES-MS7	5.85
MS8	M22-ES-MS8	5.85

Accessories

Description	Catalog Number	Price U.S. \$ <sup>⑦</sup>
M22-XGWK Guard Ring	M22-XGWK	12.40
M22-XGPV Yellow Guard Ring	M22-XGPV	17.90
M22G-XGPV Gray Guard Ring	M22G-XGPV	17.90
M22-PL-PV Sealing Shroud	M22-PL-PV	24.20

Notes

- ① Includes contact block mounting adapter.
- ② For complete listing of available contact blocks, see Accessories, Pages 67–72.
- ③ All NC contact blocks are positively driven contact.
- ④ Key included. For identical locks and keys, use the same key code. One key is included with actuator; additional keys are available as accessories.
- ⑤ Includes Key Code MS1.
- ⑥ For use with key release operators only. One key included with operator.
- ⑦ Discount Symbol: **1CD7**.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Illuminated Emergency Stops

M22-PVL-K01-R

#### Complete Devices

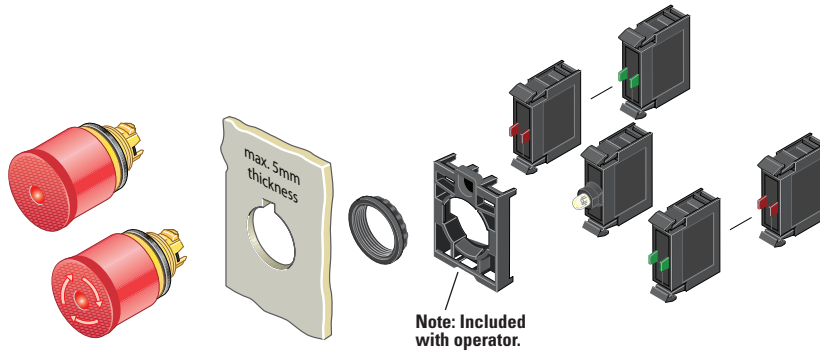


Type	Button Color	LED Color	Contact Block Configuration <sup>①</sup> ⊖	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>②</sup>
Push-Pull	Red	Red	NC	12–30 Vac/dc	<b>M22-PVL-K01-R</b>	63.00
			2NC	12–30 Vac/dc	<b>M22-PVL-K02-R</b>	74.00
			1NO-2NC	12–30 Vac/dc	<b>M22-PVL-K12-R</b>	84.00
			NC	85–264 Vac	<b>M22-PVL-K01-230R</b>	63.00
			2NC	85–264 Vac	<b>M22-PVL-K02-230R</b>	74.00
			1NO-2NC	85–264 Vac	<b>M22-PVL-K12-230R</b>	84.00
Twist-to-Release			NC	12–30 Vac/dc	<b>M22-PVLT-K01-R</b>	80.50
			2NC	12–30 Vac/dc	<b>M22-PVLT-K02-R</b>	91.50
			1NO-2NC	12–30 Vac/dc	<b>M22-PVLT-K12-R</b>	102.00
			NC	85–264 Vac	<b>M22-PVLT-K01-230R</b>	80.50
			2NC	85–264 Vac	<b>M22-PVLT-K02-230R</b>	91.50
			1NO-2NC	85–264 Vac	<b>M22-PVLT-K12-230R</b>	102.00

**Note**



- ① All NC contact blocks are positively driven contact.
- ② Discount Symbol: **1CD7**.

Illuminated Emergency Stops




Components

Operators Only ①

Type	Color	Catalog Number	Price U.S. \$ ④
M22-PVL 	Red	M22-PVL	51.50
	Black	M22S-PVL	51.50
M22S-PVLT 	Red	M22-PVLT	69.50
	Black	M22S-PVLT	69.50

Light Units ②

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ ④
Screw 	White	12–30 Vac/dc	M22-LED-W	28.75
	Red	12–30 Vac/dc	M22-LED-R	28.75
Screw	White	85–264 Vac	M22-LED230-W	28.75
	Red	85–264 Vac	M22-LED230-R	28.75
Screw	White	207–264 Vac	M22-LED230H-W	28.75
	Red	207–264 Vac	M22-LED230H-R	28.75

M22-K10  


Contact Blocks ②

Terminal Type	Contact Configuration ③	Catalog Number	Price U.S. \$ ④
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Accessories

Description	Catalog Number	Price U.S. \$ ④
M22-XGWK 	M22-XGWK	12.40
M22-XGPV 	M22-XGPV	17.90
M22G-XGPV 	M22G-XGPV	17.90
M22-PL-PV 	M22-PL-PV	24.20

Notes

- ① Includes contact block mounting adapter.
- ② For complete listing of available light units and contact blocks, see Accessories, Pages 67–72.
- ③ All NC contact blocks are positively driven contact.
- ④ Discount Symbol: 1CD7.



#### Selector Switches



#### Contents

<b>Description</b>	<b>Page</b>
Selector Switches	
Non-Illuminated Switches .....	<b>33</b>
Illuminated Switches .....	<b>38</b>
Key Operated .....	<b>42</b>

#### Selector Switches

##### Product Description

Eaton's M22 selector switch line offers an almost endless variety of options in maintained/momentary, key-removal and illuminated devices. The coding adapters used for maintained/momentary and key removal positions make the M22 stand out from competitive devices. By simply adding or removing a coding adapter from inside the operator, the end-user can change the function of the button. Operator options include standard knob, rotary head, illuminated and keyed versions. As with all operators, they can be ordered as a ready to install complete device or as modular components to meet application specific requirements.

##### Features

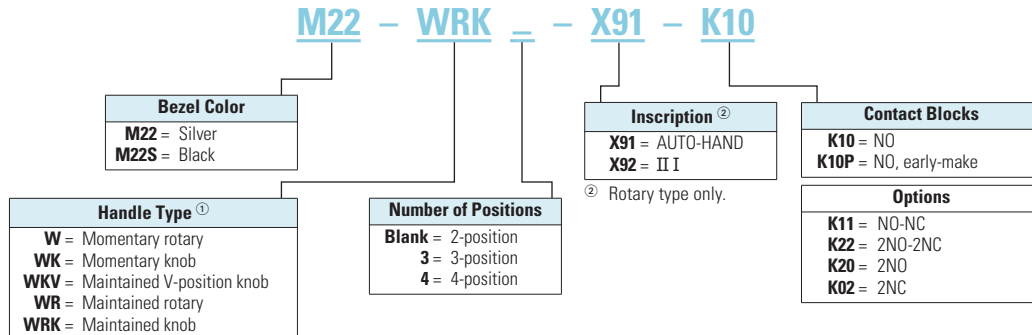
- Adding or removing coding adapters allows for field convertibility of maintained/momentary and key removal positions
- LED offering only for improved brightness quality and up to 100,000 hours of operation
- More than 100,000 mechanical operations
- Coding adapter options make assembly fast and simplify stocking of different configurations of selector switches
- Capable of communicating via ASi protocol with ASi adapter modules

##### Protection Type

- IP66
- NEMA 4X, 13

**Catalog Number Selection**

**Non-Illuminated Selector Switches**



<sup>①</sup> All momentary selector switches can be converted in the field to maintained operation with the removal of a color-coded adapter.

<sup>②</sup> Rotary type only.

**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Product Selection

#### Non-Illuminated Selector Switches

M22-WKV-K10

#### Complete Devices, Knob Type <sup>①</sup>



Type	Switching Position	Bezel	Contact Block Configuration <sup>②</sup>	⊖	Catalog Number	Price U.S. \$ <sup>③</sup>
2-Position	Maintained 	Silver	NO		<b>M22-WRK-K10</b>	27.00
			1NO-1NC		<b>M22-WRK-K11</b>	38.00
			2NO-2NC		<b>M22-WRK-K22</b>	60.00
		Black	NO		<b>M22S-WRK-K10</b>	23.50
			1NO-1NC		<b>M22S-WRK-K11</b>	34.75
			2NO-2NC		<b>M22S-WRK-K22</b>	57.00
	Maintained V 	Silver	NO		<b>M22-WKV-K10</b>	25.25
			1NO-1NC		<b>M22-WKV-K11</b>	36.25
			2NO-2NC		<b>M22-WKV-K22</b>	58.50
		Black	NO		<b>M22S-WKV-K10</b>	23.50
			1NO-1NC		<b>M22S-WKV-K11</b>	34.75
			2NO-2NC		<b>M22S-WKV-K22</b>	57.00
3-Position	Maintained 	Silver	2NO		<b>M22-WRK3-K20</b>	36.25
			2NO-2NC		<b>M22-WRK3-K22</b>	58.50
			Black	2NO		<b>M22S-WRK3-K20</b>
		2NO-2NC		<b>M22S-WRK3-K22</b>	57.00	

#### Notes

- ① Includes contact block mounting adapter.
- ② All NC contact blocks are positively driven contact.
- ③ Discount Symbol: **1CD7**.








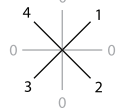
Non-Illuminated Selector Switches

Components

M22-WK



Operators Only, Knob Type ①

Type	Switching Position	Bezel	Catalog Number	Price U.S. \$ ③
2-Position	Momentary ② 	Silver	<b>M22-WK</b>	18.60
		Black	<b>M22S-WK</b>	17.00
	Maintained 	Silver	<b>M22-WRK</b>	14.20
		Black	<b>M22S-WRK</b>	12.60
	Maintained V 	Silver	<b>M22-WKV</b>	14.20
		Black	<b>M22S-WKV</b>	12.60
3-Position	Momentary ② 	Silver	<b>M22-WK3</b>	18.60
		Black	<b>M22S-WK3</b>	17.00
	Maintained 	Silver	<b>M22-WRK3</b>	14.20
		Black	<b>M22S-WRK3</b>	12.60
	Maintained, Return from Left 	Silver	<b>M22-WRK3-2</b>	18.60
		Black	<b>M22S-WRK3-2</b>	17.00
	Maintained, Return from Right 	Silver	<b>M22-WRK3-1</b>	18.60
		Black	<b>M22S-WRK3-1</b>	17.00
4-Position	Maintained 	Silver	<b>M22-WRK4</b>	47.75
		Black	<b>M22S-WRK4</b>	46.25

Notes

- ① Includes contact block mounting adapter.
- ② Momentary selector switches can be converted in the field to maintained operation with the removal of a color coded adapter. See **Page 74**.
- ③ Discount Symbol: **1CD7**.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Non-Illuminated Selector Switches

#### Components

M22S-WR3-X94



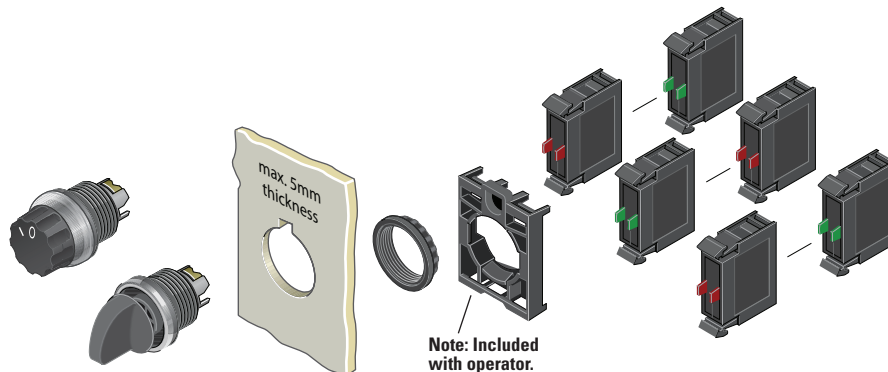
#### Operators Only, Rotary Type <sup>①</sup>

Type	Switching Position	Bezel	Inscription	Catalog Number	Price U.S. \$ <sup>④</sup>
2-Position	Momentary <sup>②</sup>	Silver	I-O	<b>M22-W</b>	21.30
		Black	I-O	<b>M22S-W</b>	19.70
	Maintained	Silver	I-O	<b>M22-WR</b>	17.00
			Custom	<b>M22-WR-ETCH</b> <sup>③</sup>	17.00
			AUTO-HAND	<b>M22-WR-X91</b>	17.00
			II-I	<b>M22-WR-X92</b>	17.00
		Black	I-O	<b>M22S-WR</b>	15.30
			Custom	<b>M22S-WR-ETCH</b> <sup>③</sup>	15.30
			AUTO-HAND	<b>M22S-WR-X91</b>	15.30
			II-I	<b>M22S-WR-X92</b>	15.30
3-Position	Momentary <sup>②</sup>	Silver	I-O-II	<b>M22-W3</b>	21.30
		Black	I-O-II	<b>M22S-W3</b>	19.70
	Maintained	Silver	I-O-II	<b>M22-WR3</b>	14.40
			Custom	<b>M22-WR3-ETCH</b> <sup>③</sup>	15.40
		Black	AUTO-O-MAN	<b>M22-WR3-X94</b>	15.40
			I-O-II	<b>M22S-WR3</b>	12.90
4-Position	Maintained	Silver	0-1-0-2-0-3-0-4	<b>M22-WR4</b>	49.50
		Black	0-1-0-2-0-3-0-4	<b>M22S-WR4</b>	47.75

#### Notes

- ① Includes contact block mounting adapter.
- ② Momentary selector switches can be converted in the field to maintained operation with the removal of a color coded adapter. See **Page 74**.
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-WR3-ETCH; Order Notes: Mark with symbol X88, Line item #\_.
- ④ Discount Symbol: **1CD7**.

Non-Illuminated Selector Switches



Components

M22-K10



Contact Blocks ①

Terminal Type	Contact Configuration ②	Catalog Number	Price U.S. \$ ⑤
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Accessories

Description	Catalog Number	Price U.S. \$ ⑤
Plunger Bridge ③	M22-XW	4.40
Key Cover	M22-XWS	11.00
Key Withdraw Adapter ④	M22-XC-R	4.40
Coding Adapter	M22-XC-Y	4.40

Notes

- ① For complete listing of available contact blocks, see Accessories, Pages 67–72.
- ② All NC contact blocks are positively driven contact.
- ③ Plunger needed to actuate center-mounted contact blocks. Used for non-illuminated 3-position selector switches only.
- ④ Enables a keyed selector switch to be set to user-selected key withdraw position.
- ⑤ Discount Symbol: **1CD7**.

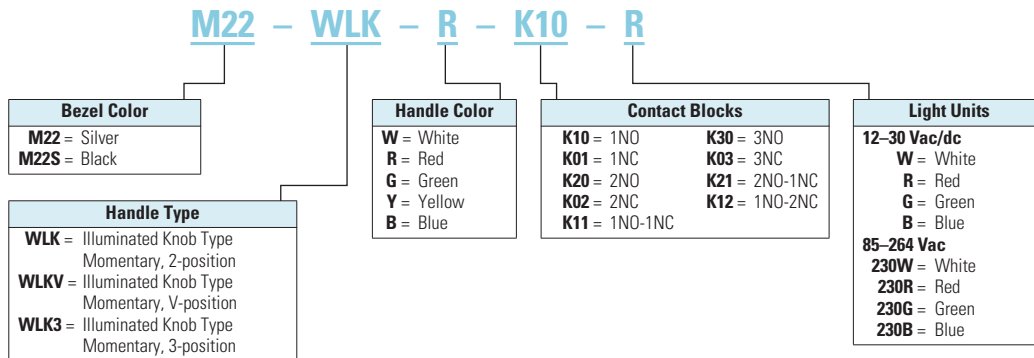
# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Catalog Number Selection

#### Illuminated Selector Switches



**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

**Product Selection**

**Illuminated Selector Switches**

**Components**

M22-WLK-W



**Operators Only, Knob Type ①**

Type	Switching Position	Bezel	Button Color	Catalog Number	Price U.S. \$ ③
2-Position	Momentary ② 	Silver	White	<b>M22-WLK-W</b>	25.25
			Red	<b>M22-WLK-R</b>	25.25
			Green	<b>M22-WLK-G</b>	25.25
			Yellow	<b>M22-WLK-Y</b>	25.25
			Blue	<b>M22-WLK-B</b>	25.25
		Black	White	<b>M22S-WLK-W</b>	23.50
			Red	<b>M22S-WLK-R</b>	23.50
			Green	<b>M22S-WLK-G</b>	23.50
			Yellow	<b>M22S-WLK-Y</b>	23.50
			Blue	<b>M22S-WLK-B</b>	23.50
	Maintained 	Silver	White	<b>M22-WRLK-W</b>	20.80
			Red	<b>M22-WRLK-R</b>	20.80
			Green	<b>M22-WRLK-G</b>	20.80
			Yellow	<b>M22-WRLK-Y</b>	20.80
			Blue	<b>M22-WRLK-B</b>	20.80
		Black	White	<b>M22S-WRLK-W</b>	19.10
			Red	<b>M22S-WRLK-R</b>	19.10
			Green	<b>M22S-WRLK-G</b>	19.10
			Yellow	<b>M22S-WRLK-Y</b>	19.10
			Blue	<b>M22S-WRLK-B</b>	19.10
Maintained V 	Silver	White	<b>M22-WLKV-W</b>	20.80	
		Red	<b>M22-WLKV-R</b>	20.80	
		Green	<b>M22-WLKV-G</b>	20.80	
		Yellow	<b>M22-WLKV-Y</b>	20.80	
		Blue	<b>M22-WLKV-B</b>	20.80	
	Black	White	<b>M22S-WLKV-W</b>	19.10	
		Red	<b>M22S-WLKV-R</b>	19.10	
		Green	<b>M22S-WLKV-G</b>	19.10	
		Yellow	<b>M22S-WLKV-Y</b>	19.10	
		Blue	<b>M22S-WLKV-B</b>	19.10	

**Notes**

- ① Includes contact block mounting adapter.
- ② Momentary selector switches can be converted in the field to maintained operation with the removal of a color coded adapter. See **Page 74**.
- ③ Discount Symbol: **1CD7**.




#### Illuminated Selector Switches

#### Components

M22-WLK3-W



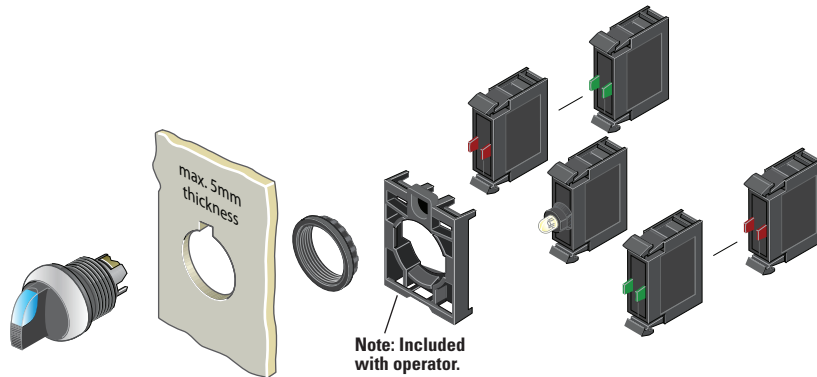
#### Operators Only, Knob Type <sup>①</sup>

Type	Switching Position	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>③</sup>
3-Position	Momentary <sup>②</sup> 	Silver	White	M22-WLK3-W	25.25
			Red	M22-WLK3-R	25.25
			Green	M22-WLK3-G	25.25
			Yellow	M22-WLK3-Y	25.25
			Blue	M22-WLK3-B	25.25
			Black	M22S-WLK3-W	23.50
		Black	White	M22S-WLK3-R	23.50
			Red	M22S-WLK3-G	23.50
			Green	M22S-WLK3-Y	23.50
			Yellow	M22S-WLK3-B	23.50
			Blue	M22S-WLK3-W	23.50
			Black	M22S-WLK3-R	23.50
	Maintained	Silver	White	M22-WRLK3-W	20.80
			Red	M22-WRLK3-R	20.80
			Green	M22-WRLK3-G	20.80
			Yellow	M22-WRLK3-Y	20.80
			Blue	M22-WRLK3-B	20.80
			Black	M22S-WRLK3-W	19.10
		Black	White	M22S-WRLK3-R	19.10
			Red	M22S-WRLK3-G	19.10
			Green	M22S-WRLK3-Y	19.10
			Yellow	M22S-WRLK3-B	19.10
			Blue	M22S-WRLK3-W	19.10
			Black	M22S-WRLK3-R	19.10
Maintained, Return from Right	Silver	White	M22-WRLK3-1-W	25.25	
		Red	M22-WRLK3-1-R	25.25	
		Green	M22-WRLK3-1-G	25.25	
		Yellow	M22-WRLK3-1-Y	25.25	
		Blue	M22-WRLK3-1-B	25.25	
		Black	M22S-WRLK3-1-W	23.50	
	Black	White	M22S-WRLK3-1-R	23.50	
		Red	M22S-WRLK3-1-G	23.50	
		Green	M22S-WRLK3-1-Y	23.50	
		Yellow	M22S-WRLK3-1-B	23.50	
		Blue	M22S-WRLK3-1-W	23.50	
		Black	M22S-WRLK3-1-R	23.50	
Maintained, Return from Left	Silver	White	M22-WRLK3-2-W	25.25	
		Red	M22-WRLK3-2-R	25.25	
		Green	M22-WRLK3-2-G	25.25	
		Yellow	M22-WRLK3-2-Y	25.25	
		Blue	M22-WRLK3-2-B	25.25	
		Black	M22S-WRLK3-2-W	23.50	
	Black	White	M22S-WRLK3-2-R	23.50	
		Red	M22S-WRLK3-2-G	23.50	
		Green	M22S-WRLK3-2-Y	23.50	
		Yellow	M22S-WRLK3-2-B	23.50	
		Blue	M22S-WRLK3-2-W	23.50	
		Black	M22S-WRLK3-2-R	23.50	

#### Notes

- ① Includes contact block mounting adapter.
- ② Momentary selector switches can be converted in the field to maintained operation with the removal of a color coded adapter. See **Page 74**.
- ③ Discount Symbol: **1CD7**.

Illuminated Selector Switches



M22-LED-W



Light Units ①⑤

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ ⑥
Screw	White	12–30 Vac/dc	M22-LED-W	28.75
	Red		M22-LED-R	28.75
	Green		M22-LED-G	28.75
	Blue		M22-LED-B	28.75
Screw	White	85–264 Vac	M22-LED230-W	28.75
	Red		M22-LED230-R	28.75
	Green		M22-LED230-G	28.75
	Blue		M22-LED230-B	28.75

Accessories

Description	Catalog Number	Price U.S. \$ ⑥
M22-XW Plunger Bridge ②	M22-XW	4.40
M22-XWS Key Cover	M22-XWS	11.00
M22-XC-R Key Withdraw Adapter ④	M22-XC-R	4.40
M22-XC-Y Coding Adapter	M22-XC-Y	4.40

M22-K10



Contact Blocks ①

Terminal Type	Contact Configuration ③ ⊖	Catalog Number	Price U.S. \$ ⑥
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① For complete listing of available light units and contact blocks, see Accessories, Pages 67–72.
- ② Plunger needed to actuate center-mounted contact blocks. Used for non-illuminated 3-position selector switches only.
- ③ All NC contact blocks are positively driven contact.
- ④ Enables a keyed selector switch to be set to user-selected key withdraw position.
- ⑤ Select the same color LED element as lens color; for yellow lens, choose a white LED.
- ⑥ Discount Symbol: 1CD7.

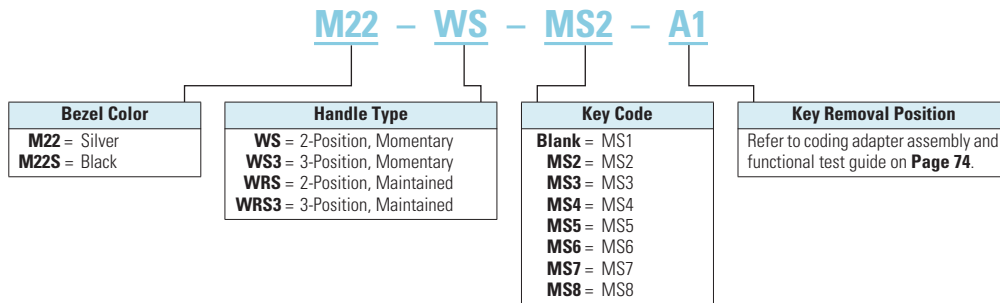
# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Catalog Number Selection

##### Key-Operated Selector Switches



**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

#### Product Selection

##### Key-Operated Selector Switches <sup>①②</sup>

##### Components

M22-WS



##### Operators Only <sup>③</sup>

Type	Switching Position	Bezel	Key Removal Position	Key Code	Catalog Number	Price U.S. \$ <sup>⑤</sup>
2-Position	Momentary <sup>④</sup>	Silver	Return from Right, Key Removable Left	MS1	<b>M22-WS</b>	59.00
				MS2	<b>M22-WS-MS2</b>	59.00
				MS3	<b>M22-WS-MS3</b>	59.00
				MS4	<b>M22-WS-MS4</b>	59.00
				MS5	<b>M22-WS-MS5</b>	59.00
				MS6	<b>M22-WS-MS6</b>	59.00
				MS7	<b>M22-WS-MS7</b>	59.00
				MS8	<b>M22-WS-MS8</b>	59.00
	Black	Return from Right, Key Removable Left	MS1	<b>M22S-WS</b>	57.50	
			MS2	<b>M22S-WS-MS2</b>	57.50	
			MS3	<b>M22S-WS-MS3</b>	57.50	
			MS4	<b>M22S-WS-MS4</b>	57.50	
			MS5	<b>M22S-WS-MS5</b>	57.50	
			MS6	<b>M22S-WS-MS6</b>	57.50	
			MS7	<b>M22S-WS-MS7</b>	57.50	
			MS8	<b>M22S-WS-MS8</b>	57.50	



##### Notes

- ① Includes 1 key.
- ② Key removal positions can be modified in the field using coding adapters; see chart on **Page 74**.
- ③ Includes contact block mounting adapter.
- ④ Momentary selector switches can be converted in the field to maintained operation with the removal of a color coded adapter. See **Page 74**.
- ⑤ Discount Symbol: **1CD7**.

Key-Operated Selector Switches <sup>①②</sup>

Components

Operators Only, Continued <sup>③</sup>

	Type	Switching Position	Bezel	Key Removal Position	Key Code	Catalog Number	Price U.S. \$ <sup>⑤</sup>	
	2-Position	Maintained	Silver	Key Removable Left	MS1	<b>M22-WRS-A1</b>	54.50	
					MS2	<b>M22-WRS-MS2-A1</b>	54.50	
					MS3	<b>M22-WRS-MS3-A1</b>	54.50	
					MS4	<b>M22-WRS-MS4-A1</b>	54.50	
					MS5	<b>M22-WRS-MS5-A1</b>	54.50	
					MS6	<b>M22-WRS-MS6-A1</b>	54.50	
					MS7	<b>M22-WRS-MS7-A1</b>	54.50	
					MS8	<b>M22-WRS-MS8-A1</b>	54.50	
				Key Removable Left/Right	MS1	<b>M22-WRS</b>	54.50	
					MS2	<b>M22-WRS-MS2</b>	54.50	
					MS3	<b>M22-WRS-MS3</b>	54.50	
					MS4	<b>M22-WRS-MS4</b>	54.50	
					MS5	<b>M22-WRS-MS5</b>	54.50	
					MS6	<b>M22-WRS-MS6</b>	54.50	
					MS7	<b>M22-WRS-MS7</b>	54.50	
					MS8	<b>M22-WRS-MS8</b>	54.50	
			Black	Key Removable Left	MS1	<b>M22S-WRS-A1</b>	53.00	
					MS2	<b>M22S-WRS-MS2-A1</b>	53.00	
					MS3	<b>M22S-WRS-MS3-A1</b>	53.00	
					MS4	<b>M22S-WRS-MS4-A1</b>	53.00	
					MS5	<b>M22S-WRS-MS5-A1</b>	53.00	
					MS6	<b>M22S-WRS-MS6-A1</b>	53.00	
					MS7	<b>M22S-WRS-MS7-A1</b>	53.00	
					MS8	<b>M22S-WRS-MS8-A1</b>	53.00	
Key Removable Left/Right	MS1	<b>M22S-WRS</b>		53.00				
	MS2	<b>M22S-WRS-MS2</b>		53.00				
	MS3	<b>M22S-WRS-MS3</b>		53.00				
	MS4	<b>M22S-WRS-MS4</b>		53.00				
	MS5	<b>M22S-WRS-MS5</b>		53.00				
	MS6	<b>M22S-WRS-MS6</b>		53.00				
	MS7	<b>M22S-WRS-MS7</b>		53.00				
	MS8	<b>M22S-WRS-MS8</b>		53.00				
	3-Position	Momentary <sup>④</sup>	Silver	Return From Left/Right, Key Removable Center	MS1	<b>M22-WS3</b>	59.00	
					MS2	<b>M22-WS3-MS2</b>	59.00	
					MS3	<b>M22-WS3-MS3</b>	59.00	
					MS4	<b>M22-WS3-MS4</b>	59.00	
					MS5	<b>M22-WS3-MS5</b>	59.00	
					MS6	<b>M22-WS3-MS6</b>	59.00	
					MS7	<b>M22-WS3-MS7</b>	59.00	
					MS8	<b>M22-WS3-MS8</b>	59.00	
				Black	Return From Left/Right, Key Removable Center	MS1	<b>M22S-WS3</b>	57.50
						MS2	<b>M22S-WS3-MS2</b>	57.50
						MS3	<b>M22S-WS3-MS3</b>	57.50
						MS4	<b>M22S-WS3-MS4</b>	57.50
						MS5	<b>M22S-WS3-MS5</b>	57.50
						MS6	<b>M22S-WS3-MS6</b>	57.50
						MS7	<b>M22S-WS3-MS7</b>	57.50
						MS8	<b>M22S-WS3-MS8</b>	57.50



Notes

- ① Includes 1 key.
- ② Key removal positions can be modified in the field using coding adapters; see chart on **Page 74**.
- ③ Includes contact block mounting adapter.
- ④ Momentary selector switches can be converted in the field to maintained operation with the removal of a color coded adapter. See **Page 74**.
- ⑤ Discount Symbol: **1CD7**.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons


#### Key-Operated Selector Switches <sup>①②</sup>

#### Components

M22-WS3-X93



#### Operators Only, Continued <sup>③</sup>

Type	Switching Position	Bezel	Key Removal Position	Key Code	Catalog Number	Price U.S. \$ <sup>④</sup>
3-Position	Maintained 	Silver	Key Removable Center	MS1	<b>M22-WRS3-A1</b>	54.50
				MS2	<b>M22-WRS3-MS2-A1</b>	54.50
				MS3	<b>M22-WRS3-MS3-A1</b>	54.50
				MS4	<b>M22-WRS3-MS4-A1</b>	54.50
				MS5	<b>M22-WRS3-MS5-A1</b>	54.50
				MS6	<b>M22-WRS3-MS6-A1</b>	54.50
				MS7	<b>M22-WRS3-MS7-A1</b>	54.50
				MS8	<b>M22-WRS3-MS8-A1</b>	54.50
			Key Removable Center/Left	MS1	<b>M22-WRS3-A2</b>	54.50
				MS2	<b>M22-WRS3-MS2-A2</b>	54.50
				MS3	<b>M22-WRS3-MS3-A2</b>	54.50
				MS4	<b>M22-WRS3-MS4-A2</b>	54.50
				MS5	<b>M22-WRS3-MS5-A2</b>	54.50
				MS6	<b>M22-WRS3-MS6-A2</b>	54.50
				MS7	<b>M22-WRS3-MS7-A2</b>	54.50
				MS8	<b>M22-WRS3-MS8-A2</b>	54.50
			Key Removable Center/Right	MS1	<b>M22-WRS3-A3</b>	54.50
				MS2	<b>M22-WRS3-MS2-A3</b>	54.50
				MS3	<b>M22-WRS3-MS3-A3</b>	54.50
				MS4	<b>M22-WRS3-MS4-A3</b>	54.50
				MS5	<b>M22-WRS3-MS5-A3</b>	54.50
				MS6	<b>M22-WRS3-MS6-A3</b>	54.50
				MS7	<b>M22-WRS3-MS7-A3</b>	54.50
				MS8	<b>M22-WRS3-MS8-A3</b>	54.50
			Key Removable Left/Right	MS1	<b>M22-WRS3</b>	54.50
				MS2	<b>M22-WRS3-MS2</b>	54.50
				MS3	<b>M22-WRS3-MS3</b>	54.50
				MS4	<b>M22-WRS3-MS4</b>	54.50
MS5	<b>M22-WRS3-MS5</b>	54.50				
MS6	<b>M22-WRS3-MS6</b>	54.50				
MS7	<b>M22-WRS3-MS7</b>	54.50				
MS8	<b>M22-WRS3-MS8</b>	54.50				
Return from Left, Key Removable Center	MS1	<b>M22-WRS3-A7</b>	59.00			
	MS2	<b>M22-WRS3-MS2-A7</b>	59.00			
	MS3	<b>M22-WRS3-MS3-A7</b>	59.00			
	MS4	<b>M22-WRS3-MS4-A7</b>	59.00			
	MS5	<b>M22-WRS3-MS5-A7</b>	59.00			
	MS6	<b>M22-WRS3-MS6-A7</b>	59.00			
	MS7	<b>M22-WRS3-MS7-A7</b>	59.00			
	MS8	<b>M22-WRS3-MS8-A7</b>	59.00			
Return from Left, Key Removable Center/Right	MS1	<b>M22-WRS3-A6</b>	59.00			
	MS2	<b>M22-WRS3-MS2-A6</b>	59.00			
	MS3	<b>M22-WRS3-MS3-A6</b>	59.00			
	MS4	<b>M22-WRS3-MS4-A6</b>	59.00			
	MS5	<b>M22-WRS3-MS5-A6</b>	59.00			
	MS6	<b>M22-WRS3-MS6-A6</b>	59.00			
	MS7	<b>M22-WRS3-MS7-A6</b>	59.00			
	MS8	<b>M22-WRS3-MS8-A6</b>	59.00			

#### Notes


- ① Includes 1 key.
- ② Key removal positions can be modified in the field using coding adapters; see chart on **Page 74**
- ③ Includes contact block mounting adapter.
- ④ Discount Symbol: **1CD7**.

**Key-Operated Selector Switches** <sup>①②</sup>  
**Components**

M22-WS3-X93



**Operators Only, Continued** <sup>③</sup>

Type	Switching Position	Bezel	Key Removal Position	Key Code	Catalog Number	Price U.S. \$ <sup>④</sup>	
3-Position	Maintained 	Silver	Return from Right, Key Removable Center	MS1	<b>M22-WRS3-A4</b>	59.00	
				MS2	<b>M22-WRS3-MS2-A4</b>	59.00	
				MS3	<b>M22-WRS3-MS3-A4</b>	59.00	
				MS4	<b>M22-WRS3-MS4-A4</b>	59.00	
				MS5	<b>M22-WRS3-MS5-A4</b>	59.00	
				MS6	<b>M22-WRS3-MS6-A4</b>	59.00	
				MS7	<b>M22-WRS3-MS7-A4</b>	59.00	
				MS8	<b>M22-WRS3-MS8-A4</b>	59.00	
				Return from Right, Key Removable Left/Center	MS1	<b>M22-WRS3-A5</b>	59.00
					MS2	<b>M22-WRS3-MS2-A5</b>	59.00
MS3	<b>M22-WRS3-MS3-A5</b>	59.00					
MS4	<b>M22-WRS3-MS4-A5</b>	59.00					
MS5	<b>M22-WRS3-MS5-A5</b>	59.00					
MS6	<b>M22-WRS3-MS6-A5</b>	59.00					
MS7	<b>M22-WRS3-MS7-A5</b>	59.00					
MS8	<b>M22-WRS3-MS8-A5</b>	59.00					
Black	Key Removable Center	MS1	<b>M22S-WRS3-A1</b>		53.00		
		MS2	<b>M22S-WRS3-MS2-A1</b>		53.00		
		MS3	<b>M22S-WRS3-MS3-A1</b>	53.00			
		MS4	<b>M22S-WRS3-MS4-A1</b>	53.00			
		MS5	<b>M22S-WRS3-MS5-A1</b>	53.00			
		MS6	<b>M22S-WRS3-MS6-A1</b>	53.00			
		MS7	<b>M22S-WRS3-MS7-A1</b>	53.00			
		MS8	<b>M22S-WRS3-MS8-A1</b>	53.00			
		Key Removable Center/Left	MS1	<b>M22S-WRS3-A2</b>	53.00		
			MS2	<b>M22S-WRS3-MS2-A2</b>	53.00		
MS3	<b>M22S-WRS3-MS3-A2</b>		53.00				
MS4	<b>M22S-WRS3-MS4-A2</b>		53.00				
MS5	<b>M22S-WRS3-MS5-A2</b>		53.00				
MS6	<b>M22S-WRS3-MS6-A2</b>		53.00				
MS7	<b>M22S-WRS3-MS7-A2</b>		53.00				
MS8	<b>M22S-WRS3-MS8-A2</b>		53.00				
Key Removable Center/Right	MS1		<b>M22S-WRS3-A3</b>	53.00			
	MS2		<b>M22S-WRS3-MS2-A3</b>	53.00			
	MS3	<b>M22S-WRS3-MS3-A3</b>	53.00				
	MS4	<b>M22S-WRS3-MS4-A3</b>	53.00				
	MS5	<b>M22S-WRS3-MS5-A3</b>	53.00				
	MS6	<b>M22S-WRS3-MS6-A3</b>	53.00				
	MS7	<b>M22S-WRS3-MS7-A3</b>	53.00				
	MS8	<b>M22S-WRS3-MS8-A3</b>	53.00				
	Key Removable Left/Right	MS1	<b>M22S-WRS3</b>	53.00			
		MS2	<b>M22S-WRS3-MS2</b>	53.00			
MS3		<b>M22S-WRS3-MS3</b>	53.00				
MS4		<b>M22S-WRS3-MS4</b>	53.00				
MS5		<b>M22S-WRS3-MS5</b>	53.00				
MS6		<b>M22S-WRS3-MS6</b>	53.00				
MS7		<b>M22S-WRS3-MS7</b>	53.00				
MS8		<b>M22S-WRS3-MS8</b>	53.00				

**Notes**

- ① Includes 1 key.
- ② Key removal positions can be modified in the field using coding adapters; see chart on **Page 74**
- ③ Includes contact block mounting adapter.
- ④ Discount Symbol: **1CD7**.


#### Key-Operated Selector Switches ①②

#### Components

M22-WS3-X93



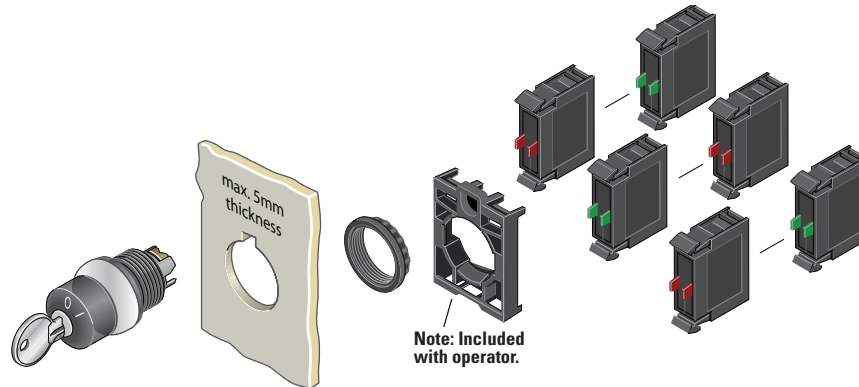
#### Operators Only, Continued ③

Type	Switching Position	Bezel	Key Removal Position	Key Code	Catalog Number	Price U.S. \$ ④
3-Position	Maintained 	Black	Return from Left, Key Removable Center	MS1	<b>M22S-WRS3-A7</b>	57.50
				MS2	<b>M22S-WRS3-MS2-A7</b>	57.50
				MS3	<b>M22S-WRS3-MS3-A7</b>	57.50
				MS4	<b>M22S-WRS3-MS4-A7</b>	57.50
				MS5	<b>M22S-WRS3-MS5-A7</b>	57.50
				MS6	<b>M22S-WRS3-MS6-A7</b>	57.50
				MS7	<b>M22S-WRS3-MS7-A7</b>	57.50
				MS8	<b>M22S-WRS3-MS8-A7</b>	57.50
			Return from Left, Key Removable Center/Right	MS1	<b>M22S-WRS3-A6</b>	57.50
				MS2	<b>M22S-WRS3-MS2-A6</b>	57.50
				MS3	<b>M22S-WRS3-MS3-A6</b>	57.50
				MS4	<b>M22S-WRS3-MS4-A6</b>	57.50
				MS5	<b>M22S-WRS3-MS5-A6</b>	57.50
				MS6	<b>M22S-WRS3-MS6-A6</b>	57.50
				MS7	<b>M22S-WRS3-MS7-A6</b>	57.50
				MS8	<b>M22S-WRS3-MS8-A6</b>	57.50
			Return from Right, Key Removable Center	MS1	<b>M22S-WRS3-A4</b>	57.50
				MS2	<b>M22S-WRS3-MS2-A4</b>	57.50
				MS3	<b>M22S-WRS3-MS3-A4</b>	57.50
				MS4	<b>M22S-WRS3-MS4-A4</b>	57.50
				MS5	<b>M22S-WRS3-MS5-A4</b>	57.50
				MS6	<b>M22S-WRS3-MS6-A4</b>	57.50
				MS7	<b>M22S-WRS3-MS7-A4</b>	57.50
				MS8	<b>M22S-WRS3-MS8-A4</b>	57.50
Return from Right, Key Removable Left/Center	MS1	<b>M22S-WRS3-A5</b>	57.50			
	MS2	<b>M22S-WRS3-MS2-A5</b>	57.50			
	MS3	<b>M22S-WRS3-MS3-A5</b>	57.50			
	MS4	<b>M22S-WRS3-MS4-A5</b>	57.50			
	MS5	<b>M22S-WRS3-MS5-A5</b>	57.50			
	MS6	<b>M22S-WRS3-MS6-A5</b>	57.50			
	MS7	<b>M22S-WRS3-MS7-A5</b>	57.50			
	MS8	<b>M22S-WRS3-MS8-A5</b>	57.50			

#### Notes

- ① Includes 1 key.
- ② Key removal positions can be modified in the field using coding adapters; see chart on **Page 74**
- ③ Includes contact block mounting adapter.
- ④ Discount Symbol: **1CD7**.

Key-Operated Selector Switches



Components

M22-K10



Contact Blocks ①

Terminal Type	Contact Configuration ②	Catalog Number	Price U.S. \$ ⑤
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Accessories

	Description	Catalog Number	Price U.S. \$ ⑤
M22-XW	Plunger Bridge ③	M22-XW	4.40
M22-XWS	Key Cover	M22-XWS	11.00
M22-XC-R	Key Withdraw Adapter ④	M22-XC-R	4.40
M22-XC-Y	Coding Adapter	M22-XC-Y	4.40

M22-ES-MS1



Extra Keys

Key Code	Catalog Number	Price U.S. \$ ⑤
MS1	M22-ES-MS1	4.85
MS2	M22-ES-MS2	5.85
MS3	M22-ES-MS3	5.85
MS4	M22-ES-MS4	5.85
MS5	M22-ES-MS5	5.85
MS6	M22-ES-MS6	5.85
MS7	M22-ES-MS7	5.85
MS8	M22-ES-MS8	5.85

Notes

- ① For complete listing of available contact blocks, see Accessories, Pages 67–72.
- ② All NC contact blocks are positively driven contact.
- ③ Plunger needed to actuate center-mounted contact blocks. Used for non-illuminated 3-position selector switches only.
- ④ Enables a keyed selector switch to be set to user-selected key withdraw position.
- ⑤ Discount Symbol: 1CD7.



### Mushroom Head Pushbuttons

#### Product Description

Eaton's M22 mushroom head operators are a durable and unique way to include standard pushbutton functionality. Like the standard pushbutton line, the maintained pushbuttons are field convertible to momentary. They also offer laser engraving and a robust 5 million mechanical operations on the standard momentary operator. As with all operators, they can be ordered as a ready to install complete device or as modular components.

#### Features

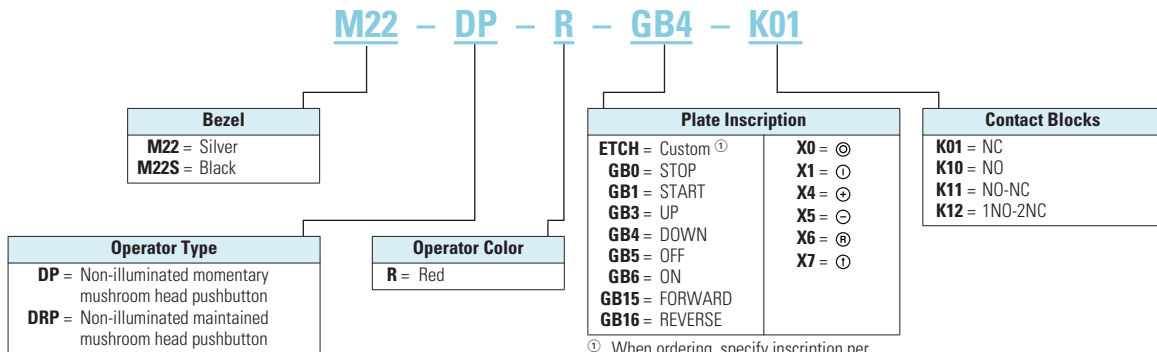
- Field convertible from maintained to momentary (available on maintained pushbuttons only)
- Customizable laser engraving on all buttons
- More than 5 million mechanical operations on momentary and 1 million on maintained pushbuttons
- Modular construction makes assembly fast and simplifies stocking of components and complete devices
- Capable of communicating via ASi protocol with ASi adapter modules

#### Protection Type

- IP67, IP69K
- NEMA 4X, 13

**Catalog Number Selection**

**Mushroom Head Pushbuttons**





<sup>①</sup> When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes.  
 For example, M22-DP-R-ETCH;  
 Order Notes: Mark with symbol X91,  
 Line item #\_.

**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.



#### Product Selection

#### Mushroom Head Pushbuttons, Momentary <sup>①</sup>

##### Complete Devices

	Bezel	Button Color	Contact Block Configuration <sup>②</sup> ⊖	Catalog Number	Price U.S. \$ <sup>③</sup>
 M22-DP-R-K01	Silver	Red	NC	M22-DP-R-K01	29.00
			2NC	M22-DP-R-K02	40.00
			1NO-2NC	M22-DP-R-K12	50.50
			1NO-1NC	M22-DP-R-K11	40.00
 M22S-DP-R-K01	Black	Red	NC	M22S-DP-R-K01	27.00
			2NC	M22S-DP-R-K02	38.25
			1NO-2NC	M22S-DP-R-K12	49.00
			1NO-1NC	M22S-DP-R-K11	38.25

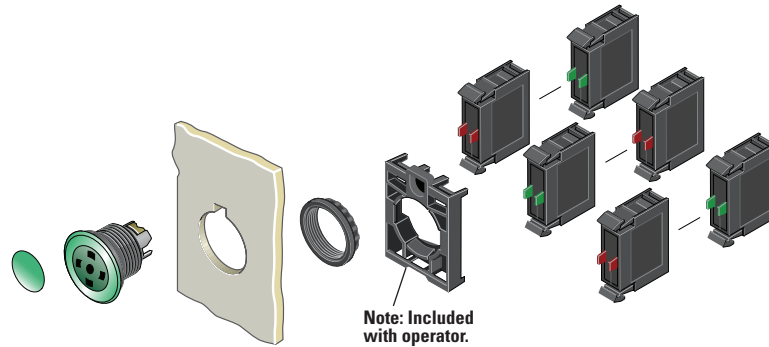
##### Operators Only <sup>②</sup>

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>③</sup>
 M22-DP-G	Silver	Black	M22-DP-S	17.70
		Red	M22-DP-R	17.70
		Green	M22-DP-G	17.70
		Yellow	M22-DP-Y	17.70
 M22S-DP-G	Black	Black	M22S-DP-S	16.10
		Red	M22S-DP-R	16.10
		Green	M22S-DP-G	16.10
		Yellow	M22S-DP-Y	16.10

#### Notes

- ① 35 mm diameter mushroom head button.
- ② Includes contact block mounting adapter.
- ③ Discount Symbol: **1CD7**.

Non-Illuminated Mushroom Head Pushbuttons, Momentary ①



Components

M22-XDP-G



Mushroom Head Plates

Color	Inscription	Catalog Number	Price U.S. \$ ⑥
Black	—	M22-XDP-S ②	1.10
	Custom	M22-XDP-S-ETCH ③	2.20
	STOP	M22-XDP-S-GB0	2.20
	START	M22-XDP-S-GB1	2.20
	FORWARD	M22-XDP-S-GB15	2.20
	REVERSE	M22-XDP-S-GB16	2.20
	UP	M22-XDP-S-GB3	2.20
	DOWN	M22-XDP-S-GB4	2.20
	OFF	M22-XDP-S-GB5	2.20
	ON	M22-XDP-S-GB6	2.20
	⊙	M22-XDP-S-X0	2.20
	①	M22-XDP-S-X1	2.20
	⊕	M22-XDP-S-X4	2.20
	⊖	M22-XDP-S-X5	2.20
Red	—	M22-XDP-R ②	1.10
	Custom	M22-XDP-R-ETCH ③	2.20
	STOP	M22-XDP-R-GB0	2.20
	OFF	M22-XDP-R-GB5	2.20
	⊙	M22-XDP-R-X0	2.20
Green	—	M22-XDP-G ②	1.10
	Custom	M22-XDP-G-ETCH ③	2.20
	START	M22-XDP-G-GB1	2.20
	ON	M22-XDP-G-GB6	2.20
	⊙	M22-XDP-G-X0	2.20
White	—	M22-XDP-W ②	1.10
	Custom	M22-XDP-W-ETCH ③	2.20
Yellow	—	M22-XDP-Y ②	1.10
	Custom	M22-XDP-Y-ETCH ③	2.20

M22-DP-G-X



Insertless Mushroom Head Operators

Bezel	Color	Catalog Number	Price U.S. \$ ⑥
Silver	Black	M22-DP-S-X	16.60
	Red	M22-DP-R-X	16.60
	Green	M22-DP-G-X	16.60
	Yellow	M22-DP-Y-X	16.60
Black	Black	M22S-DP-S-X	15.00
	Red	M22S-DP-R-X	15.00
	Green	M22S-DP-G-X	15.00
	Yellow	M22S-DP-Y-X	15.00

M22-K10



Contact Blocks ④

Terminal Type	Contact Configuration ⑤ ⊖	Catalog Number	Price U.S. \$ ⑥
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50



Notes

- ① 35 mm diameter mushroom head button.
- ② Minimum order quantity of (10).
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-XDP-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ④ For complete listing of available contact blocks, see Accessories, **Pages 67–72**.
- ⑤ All NC contact blocks are positively driven contact.
- ⑥ Discount Symbol: **1CD7**.



#### Product Selection

#### Non-Illuminated Mushroom Head Pushbuttons, Maintained <sup>①②</sup>

##### Complete Devices

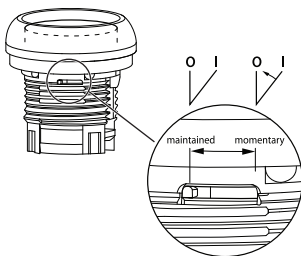
	Bezel	Button Color	Contact Block Configuration <sup>③</sup> ⊖	Catalog Number	Price U.S. \$ <sup>④</sup>
 M22-DRP-R-K01	Silver	Red	NC	M22-DRP-R-K01	54.50
			2NC	M22-DRP-R-K02	65.50
			1NO-2NC	M22-DRP-R-K12	76.50
			1NO-1NC	M22-DRP-R-K11	65.50
 M22S-DRP-R-K01	Black	Red	NC	M22S-DRP-R-K01	53.00
			2NC	M22S-DRP-R-K02	64.00
			1NO-2NC	M22S-DRP-R-K12	75.00
			1NO-1NC	M22S-DRP-R-K11	64.00

##### Operators Only

	Bezel	Button Color	Catalog Number	Price U.S. \$ <sup>④</sup>
 M22-DRP-G	Silver	Black	M22-DRP-S	43.50
		Red	M22-DRP-R	43.50
		Green	M22-DRP-G	43.50
		Yellow	M22-DRP-Y	43.50
 M22S-DRP-G	Black	Black	M22S-DRP-S	41.75
		Red	M22S-DRP-R	41.75
		Green	M22S-DRP-G	41.75
		Yellow	M22S-DRP-Y	41.75

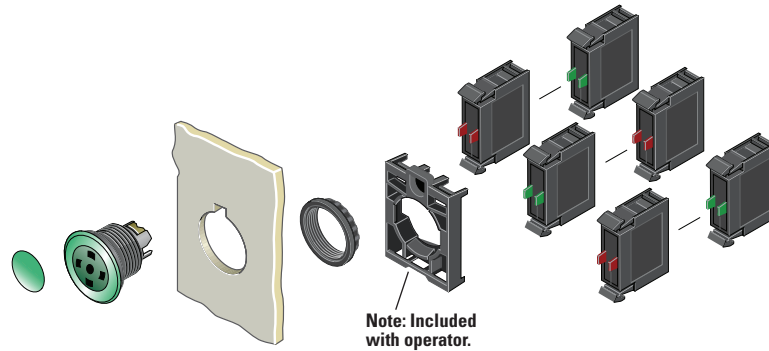
#### Notes

- ① 35 mm diameter mushroom head button.
- ② Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ③ All NC contact blocks are positively driven contact.
- ④ Discount Symbol: **1CD7**.



**Note:** This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

Non-Illuminated Mushroom Head Pushbuttons, Maintained <sup>①②</sup>



Components

M22-XDP-G



Mushroom Head Plates <sup>③</sup>

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Black	—	M22-XDP-S <sup>③</sup>	1.10
	Custom	M22-XDP-S-ETCH <sup>④</sup>	2.20
	STOP	M22-XDP-S-GB0	2.20
	START	M22-XDP-S-GB1	2.20
	FORWARD	M22-XDP-S-GB15	2.20
	REVERSE	M22-XDP-S-GB16	2.20
	UP	M22-XDP-S-GB3	2.20
	DOWN	M22-XDP-S-GB4	2.20
	OFF	M22-XDP-S-GB5	2.20
	ON	M22-XDP-S-GB6	2.20
	⊙	M22-XDP-S-X0	2.20
	⓪	M22-XDP-S-X1	2.20
	⊕	M22-XDP-S-X4	2.20
	⊖	M22-XDP-S-X5	2.20
Ⓜ	M22-XDP-S-X7	2.20	
Red	—	M22-XDP-R <sup>③</sup>	1.10
	Custom	M22-XDP-R-ETCH <sup>④</sup>	2.20
	STOP	M22-XDP-R-GB0	2.20
	OFF	M22-XDP-R-GB5	2.20
	⊙	M22-XDP-R-X0	2.20
Green	—	M22-XDP-G <sup>③</sup>	1.10
	Custom	M22-XDP-G-ETCH <sup>④</sup>	2.20
	START	M22-XDP-G-GB1	2.20
	ON	M22-XDP-G-GB6	2.20
	⊙	M22-XDP-G-X0	2.20
White	—	M22-XDP-W <sup>③</sup>	1.10
	Custom	M22-XDP-W-ETCH <sup>④</sup>	2.20
Yellow	—	M22-XDP-Y <sup>③</sup>	1.10
	Custom	M22-XDP-Y-ETCH <sup>④</sup>	2.20

M22-DRP-G-X



Insertless Mushroom Head Operators

Bezel	Color	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Silver	Black	M22-DRP-S-X	42.50
	Red	M22-DRP-R-X	42.50
	Green	M22-DRP-G-X	42.50
	Yellow	M22-DRP-Y-X	42.50
Black	Black	M22S-DRP-S-X	40.75
	Red	M22S-DRP-R-X	40.75
	Green	M22S-DRP-G-X	40.75
	Yellow	M22S-DRP-Y-X	40.75

M22-K10



Contact Blocks <sup>⑤</sup>

Terminal Type	Contact Configuration <sup>⑥</sup>	Catalog Number	Price U.S. \$ <sup>⑦</sup>
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① 35 mm diameter mushroom head button.
- ② Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ③ Minimum order quantity of (10).
- ④ When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-XDP-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ⑤ For complete listing of available button plates and contact blocks, see Accessories, **Pages 67–72**.
- ⑥ All NC contact blocks are positively driven contact.
- ⑦ Discount Symbol: **1CD7**.

# 47.4 Pushbuttons and Indicating Lights

## M22 Modular Pushbuttons

### Double Pushbuttons

#### Product Description

Eaton's M22 double pushbutton line is perfect for applications such as motor and pump starting, as well as anytime space is limited. In addition to the two buttons that fit in one 22mm hole is the integrated white indicating light between them. These three operators allow for multiple functions to occur in a single space. Green/red, black/white and black/black color options along with laser engraving allow for further custom applications.

#### Features

- Flush and extended, as well as color options allow for the perfect combination button
- Integrated indicating light adds even more functionality in one standard 22 mm hole
- Customizable laser engraving on all buttons
- LED offering only for improved brightness quality and up to 100,000 hours of operation
- More than 200,000 mechanical operations
- Capable of communicating via ASi protocol with ASi adapter modules

#### Protection Type

- IP66
- NEMA 4X, 13

### Catalog Number Selection

#### Double Pushbuttons

**M22 - DDL - GR - GB5 - K10 - G**

Bezel
M22 = Silver
M22S = Black

Operator Type
DDL = Extended buttons and light
DDLF = Flush buttons and light
DDLML = Extended bottom button

Button Plate Color	Top	Bottom
	GR = Green	Red
WS = White	Black	Black
S = Black	Black	Black

Inscription
GB0 = STOP
GB1 = START
GB3 = UP
GB4 = DOWN
GB5 = OFF
GB6 = ON
GB14 = RESET
GB15 = FORWARD
GB16 = REVERSE
X0 = ⊕
X1 = ⊖
X4 = ⊕
X5 = ⊖
X6 = ⊕
X7 = ⊖
X5 = ⊖

Contact Blocks	
K10 = 1NO	K30 = 3NO
K01 = 1NC	K03 = 3NC
K20 = 2NO	K21 = 2NO-1NC
K02 = 2NC	K12 = 1NO-2NC
K11 = 1NO-1NC	

Light Units
12-30 Vac/dc
W = White
R = Red
G = Green
B = Blue
85-264 Vac
230W = White
230R = Red
230G = Green
230B = Blue

47

**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

**Product Selection**

**Components**

**Double Pushbuttons, Extended Pushbuttons and Center Light, Momentary**

**Operators Only** <sup>①</sup>

	Bezel	Color Top	Bottom	Inscription Top	Bottom	Catalog Number	Price U.S. \$ <sup>③</sup>
 <p><b>M22-DDL-GR-GB1-GB0</b></p>	Silver	Green	Red	—	—	<b>M22-DDL-GR</b>	33.75
				Custom	Custom	<b>M22-DDL-GR-ETCH</b> <sup>②</sup>	35.00
				①	Ⓞ	<b>M22-DDL-GR-X1-X0</b>	35.00
				START	STOP	<b>M22-DDL-GR-GB1-GB0</b>	35.00
		White	Black	—	—	<b>M22-DDL-WS</b>	33.75
				Custom	Custom	<b>M22-DDL-WS-ETCH</b> <sup>②</sup>	35.00
				①	Ⓞ	<b>M22-DDL-WS-X1-X0</b>	35.00
				START	STOP	<b>M22-DDL-WS-GB1-GB0</b>	35.00
		Black	Black	—	—	<b>M22-DDL-S</b>	33.75
				Custom	Custom	<b>M22-DDL-S-ETCH</b> <sup>②</sup>	35.00
				—	—	<b>M22-DDL-S-X4-X5</b>	35.00
				①	Ⓞ	<b>M22-DDL-S-X7-X7</b>	35.00
 <p><b>M22S-DDL-GR-X1-X0</b></p>	Black	Green	Red	—	—	<b>M22S-DDL-GR</b>	32.25
				Custom	Custom	<b>M22S-DDL-GR-ETCH</b> <sup>②</sup>	33.25
				①	Ⓞ	<b>M22S-DDL-GR-X1-X0</b>	33.25
				START	STOP	<b>M22S-DDL-GR-GB1-GB0</b>	33.25
		White	Black	—	—	<b>M22S-DDL-WS</b>	32.25
				Custom	Custom	<b>M22S-DDL-WS-ETCH</b> <sup>②</sup>	33.25
				①	Ⓞ	<b>M22S-DDL-WS-X1-X0</b>	33.25
				START	STOP	<b>M22S-DDL-WS-GB1-GB0</b>	33.25
		Black	Black	—	—	<b>M22S-DDL-S</b>	32.25
				Custom	Custom	<b>M22S-DDL-S-ETCH</b> <sup>②</sup>	33.25
				⊕	—	<b>M22S-DDL-S-X4-X5</b>	33.25
				①	Ⓞ	<b>M22S-DDL-S-X7-X7</b>	33.25



**Notes**

- ① Includes contact block mounting adapter.
- ② When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-DDL-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ③ Discount Symbol: **1CD7**.





#### Double Pushbuttons, Flush Top Pushbuttons and Center Light, Momentary

##### Operators Only <sup>①</sup>

	Bezel	Color Top	Bottom	Inscription Top	Bottom	Catalog Number	Price U.S. \$ <sup>③</sup>
 M22-DDLF-GR	Silver	Green	Red	—	—	M22-DDLF-GR	33.75
				Custom	Custom	M22-DDLF-GR-ETCH <sup>②</sup>	35.00
		White	Black	—	—	M22-DDLF-WS	33.75
				Custom	Custom	M22-DDLF-WS-ETCH <sup>②</sup>	35.00
		Green	Red	①	⊙	M22-DDLF-GR-X1-X0	35.00
				White	Black	①	⊙
 M22S-DDLF-GR-X1-X0	Black	Green	Red	—	—	M22S-DDLF-GR	32.25
				Custom	Custom	M22S-DDLF-GR-ETCH <sup>②</sup>	33.25
		White	Black	—	—	M22S-DDLF-WS	32.25
				Custom	Custom	M22S-DDLF-WS-ETCH <sup>②</sup>	33.25
		Green	Red	①	⊙	M22S-DDLF-GR-X1-X0	33.25
				White	Black	①	⊙

#### Double Pushbuttons, Flush Top Pushbutton and Center Light, Extended Bottom Pushbutton, Momentary

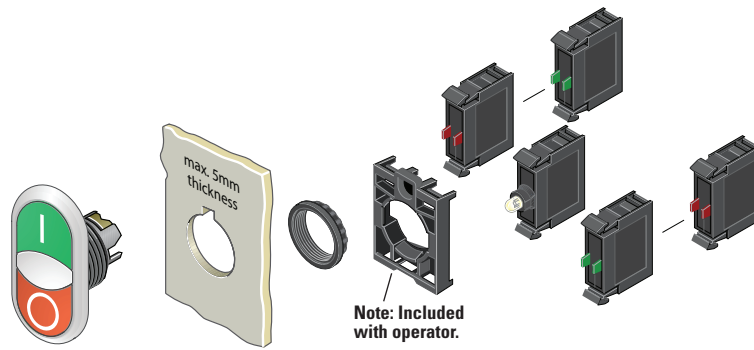
##### Operators Only <sup>①</sup>

	Bezel	Color Top	Bottom	Inscription Top	Bottom	Catalog Number	Price U.S. \$ <sup>③</sup>
 M22-DDLM-GR	Silver	Green	Red	—	—	M22-DDLM-GR	33.75
				Custom	Custom	M22-DDLM-GR-ETCH <sup>②</sup>	35.00
		White	Black	—	—	M22-DDLM-WS	35.00
				Custom	Custom	M22-DDLM-WS-ETCH <sup>②</sup>	35.00
		Green	Red	①	⊙	M22-DDLM-GR-X1-X0	35.00
				White	Black	①	⊙
 M22S-DDLM-GR-X1-X0	Black	Green	Red	—	—	M22S-DDLM-GR	32.25
				Custom	Custom	M22S-DDLM-GR-ETCH <sup>②</sup>	33.25
		White	Black	—	—	M22S-DDLM-WS	33.25
				Custom	Custom	M22S-DDLM-WS-ETCH <sup>②</sup>	33.25
		Green	Red	①	⊙	M22S-DDLM-GR-X1-X0	33.25
				White	Black	①	⊙

##### Notes

- ① Includes contact block mounting adapter.
- ② When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes.  
For example, M22-DDLM-GR-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ③ Discount Symbol: **1CD7**.

Double Pushbuttons



M22-LED-W



Light Units ①

Terminal Type	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ ③
Screw	White	12–30 Vac/dc	<b>M22-LED-W</b>	28.75
		85–264 Vac	<b>M22-LED230-W</b>	28.75

M22-K10



Contact Blocks ①

Terminal Type	Contact Configuration ② ⊖	Catalog Number	Price U.S. \$ ③
Screw	NO	<b>M22-K10</b>	11.00
	NO, Early-Make	<b>M22-K10P</b>	12.10
	NC	<b>M22-K01</b>	11.00
	NC, Late-Break	<b>M22-K01D</b>	12.10
Spring-Cage	NO	<b>M22-CK10</b>	14.80
	NC	<b>M22-CK01</b>	14.80
	NC, Late-Break	<b>M22-CK01D</b>	15.80
	2NO	<b>M22-CK20</b>	29.50
	2NC	<b>M22-CK02</b>	29.50
	NO-NC	<b>M22-CK11</b>	29.50

Notes

- ① For complete listing of available light units and contact blocks, see Accessories, Pages 67–72.
- ② All NC contact blocks are positively driven contact.
- ③ Discount Symbol: **1CD7**.

# 47.4 Pushbuttons and Indicating Lights

## M22 Modular Pushbuttons

### Four-Way Pushbuttons

#### Product Description

Eaton's M22 four-way pushbutton is a truly unique offering. A four-way pushbutton offers four different buttons mounted in a single 22 mm hole. This is ideal not only for an application with limited space, but also directional applications (when ordered with the four arrow engraving option). Another unique option is the interlocked version, which prevents two opposite buttons from being actuated at the same time.

#### Features

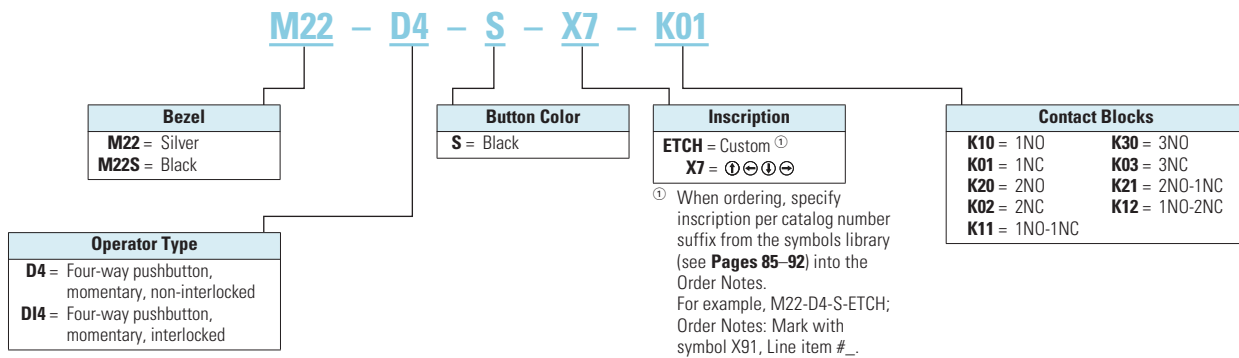
- Four buttons in one operator allows for increased functionality in limited space
- Optional interlocking option, which prevents two buttons from being actuated at the same time
- Customizable laser engraving on all buttons for directional or other applications
- Capable of communicating via ASi protocol with ASi adapter modules

#### Protection Type

- IP66

### Catalog Number Selection

#### Four-Way Pushbuttons

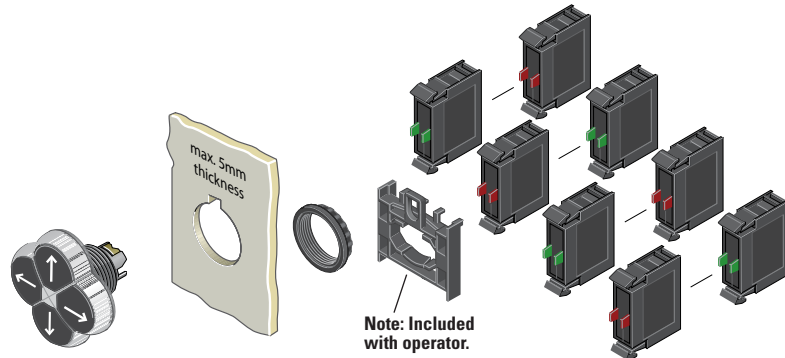


47

**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

**Product Selection**

**Four-Way Pushbuttons, Momentary**



**Components**

**M22-D4-S-X7**

**Operators Only** <sup>①</sup>



Type	Bezel	Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑤</sup>
Non-Interlocked	Silver	Black	—	<b>M22-D4-S</b>	152.00
			Custom	<b>M22-D4-S-ETCH</b> <sup>③</sup>	153.00
			Directional Arrows	<b>M22-D4-S-X7</b>	153.00
	Black	Black	—	<b>M22S-D4-S</b>	150.00
			Custom	<b>M22S-D4-S-ETCH</b> <sup>③</sup>	151.00
			Directional Arrows	<b>M22S-D4-S-X7</b>	151.00
			Directional Arrows	<b>M22S-D4-S-X7</b>	151.00
Interlocked	Silver	Black	—	<b>M22-DI4-S</b>	161.00
			Custom	<b>M22-DI4-S-ETCH</b> <sup>③</sup>	162.00
			Directional Arrows	<b>M22-DI4-S-X7</b>	162.00
	Black	Black	—	<b>M22S-DI4-S</b>	159.00
			Custom	<b>M22S-DI4-S-ETCH</b> <sup>③</sup>	160.00
			Directional Arrows	<b>M22S-DI4-S-X7</b>	160.00
			Directional Arrows	<b>M22S-DI4-S-X7</b>	160.00

**M22-K10**



**Contact Blocks** <sup>②</sup>

Terminal Type	Contact Configuration <sup>④</sup> ⊖	Catalog Number	Price U.S. \$ <sup>⑤</sup>
Screw	NO	<b>M22-K10</b>	11.00
	NO, Early-Make	<b>M22-K10P</b>	12.10
	NC	<b>M22-K01</b>	11.00
	NC, Late-Break	<b>M22-K01D</b>	12.10
Spring-Cage	NO	<b>M22-CK10</b>	14.80
	NC	<b>M22-CK01</b>	14.80
	NC, Late-Break	<b>M22-CK01D</b>	15.80
	2NO	<b>M22-CK20</b>	29.50
	2NC	<b>M22-CK02</b>	29.50
	NO-NC	<b>M22-CK11</b>	29.50

**Notes**

- ① Includes contact block mounting adapter.
- ② For complete listing of available contact blocks, see Accessories, **Pages 67–72**.
- ③ When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-D4-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ④ All NC contact blocks are positively driven contact.
- ⑤ Discount Symbol: **1CD7**.

### M22 Modular Pushbuttons

#### Joysticks

##### Product Description

Eaton's M22 joystick line comes in a wide variety of options. From vertical and horizontal 2-position switches to the maintained 4-position, these operators fit a variety of applications. An additional option, 2 switch points, allows for 8 isolated circuits to be actuated individually on a single operator.

##### Features

- Available in 4-position and 2-position
- Two switch point option allows for two contacts in each direction (up to 8 total contacts in one operator)
- Capable of communicating via ASi protocol with ASi adapter modules

##### Protection Type

- IP66

#### Product Selection

##### Joysticks

##### Components

M22-WJ2H



##### Operators <sup>①</sup>

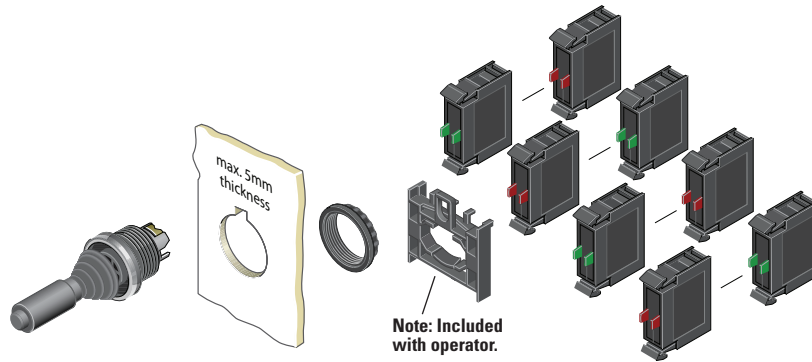
Bezel	Number of Directions	Switching Position	Catalog Number	Price U.S. \$ <sup>②</sup>
Silver	2-Position Horizontal	Momentary	<b>M22-WJ2H</b>	116.00
		2 Switch Points	<b>M22-WJ2H-2P</b>	129.00
	2-Position Horizontal	Maintained	<b>M22-WR2H</b>	116.00
		Momentary	<b>M22-WJ2V</b>	116.00
	2-Position Vertical	Momentary	<b>M22-WJ2V</b>	116.00
		2 Switch Points	<b>M22-WJ2V-2P</b>	129.00
	2-Position Vertical	Maintained	<b>M22-WR2V</b>	116.00
		Momentary	<b>M22-WJ4</b>	152.00
	4-Position	Momentary	<b>M22-WJ4</b>	152.00
		2 Switch Points	<b>M22-WJ4-2P</b>	165.00
Black	2-Position Horizontal	Momentary	<b>M22S-WJ2H</b>	115.00
		2 Switch Points	<b>M22S-WJ2H-2P</b>	128.00
	2-Position Horizontal	Maintained	<b>M22S-WR2H</b>	115.00
		Momentary	<b>M22S-WJ2V</b>	115.00
	2-Position Vertical	Momentary	<b>M22S-WJ2V</b>	115.00
		2 Switch Points	<b>M22S-WJ2V-2P</b>	128.00
	2-Position Vertical	Maintained	<b>M22S-WR2V</b>	115.00
		Momentary	<b>M22S-WJ4</b>	150.00
	4-Position	Momentary	<b>M22S-WJ4</b>	150.00
		2 Switch Points	<b>M22S-WJ4-2P</b>	163.00
4-Position	Maintained	<b>M22S-WR4</b>	150.00	

##### Note

<sup>①</sup> Includes contact block mounting adapter.

<sup>②</sup> Discount Symbol: **1CD7**.

Joysticks



M22-K10



Contact Blocks ①②

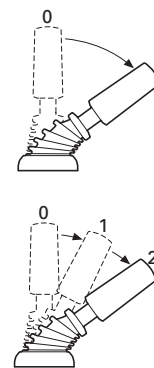
Terminal Type	Contact Configuration ③	Catalog Number	Price U.S. \$ ④
Screw	NO	M22-K10	11.00
	NO, Early-Make	M22-K10P	12.10
	NC	M22-K01	11.00
	NC, Late-Break	M22-K01D	12.10
Spring-Cage	NO	M22-CK10	14.80
	NC	M22-CK01	14.80
	NC, Late-Break	M22-CK01D	15.80
	2NO	M22-CK20	29.50
	2NC	M22-CK02	29.50
	NO-NC	M22-CK11	29.50

Notes

- ① Includes contact block mounting adapter.
- ② For complete listing of available contact blocks, see Accessories, Pages 67–72.
- ③ All NC contact blocks are positively driven contact.
- ④ Discount Symbol: 1CD7.

Joystick with Double Contact

The joystick allows the control of up to four directions of movement on machines. Different variants of the joystick have 2/4 positions and other variants have two settings for each position. This allows, for example, two-speed settings for each direction. For this application, a standard normally open contact and an early-make contact are fitted in series. Momentary contact and latching contact versions are available.



# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Potentiometers

##### Product Description

Eaton's M22 potentiometers allow for a ready to use operator in a conveniently sized package. M22 potentiometers include the resistive element, instead of just a knob, and a built in legend surrounding the knob. The slim design, with integrated contacts and the range of resistances available, allows for a quick install.

##### Features

- Scale markings on the knob allows the operator to be used without an additional legend plate
- Oversized knob option available
- Slim design allows for space saving and simple wiring and installation

##### Protection Type

- IP66
- NEMA 4X, 13

#### Product Selection

##### Potentiometers

###### M22-R10K



##### Complete Devices

Bezel	Resistance Rk	Catalog Number	Price U.S. \$ <sup>①</sup>
Silver	1	<b>M22-R1K</b>	139.00
	4.7	<b>M22-R4K7</b>	139.00
	10	<b>M22-R10K</b>	139.00
	47	<b>M22-R47K</b>	139.00
	100	<b>M22-R100K</b>	139.00
	470	<b>M22-R470K</b>	139.00
Black	1	<b>M22S-R1K</b>	137.00
	4.7	<b>M22S-R4K7</b>	137.00
	10	<b>M22S-R10K</b>	137.00
	47	<b>M22S-R47K</b>	137.00
	100	<b>M22S-R100K</b>	137.00
	470	<b>M22S-R470K</b>	137.00

##### Oversized Knob

Silver	1	<b>M22-R1K-RH</b>	144.00
	4.7	<b>M22-R4K7-RH</b>	144.00
	10	<b>M22-R10K-RH</b>	144.00
	47	<b>M22-R47K-RH</b>	144.00
	100	<b>M22-R100K-RH</b>	144.00
	470	<b>M22-R470K-RH</b>	144.00
Black	1	<b>M22S-R1K-RH</b>	142.00
	4.7	<b>M22S-R4K7-RH</b>	142.00
	10	<b>M22S-R10K-RH</b>	142.00
	47	<b>M22S-R47K-RH</b>	142.00
	100	<b>M22S-R100K-RH</b>	142.00
	470	<b>M22S-R470K-RH</b>	142.00

#### Acoustic Devices

##### Product Description

Eaton's M22 acoustic devices are a simple and aesthetic way to add a buzzer or indicator to any application. Fitting in the same 22 mm hole, these devices can be ordered in continuous or pulsed tone and with or without the IP40 enclosure.

##### Features

- Continuous or pulsed tone available
- 83dB/10cm decibel rating
- Slim design allows for space saving and simple wiring and installation

##### Protection Type

- IP40
- NEMA 12

#### Product Selection

##### Acoustic Devices

###### M22-AMC-XAM



##### Complete Devices

Description	Decibel Rating	Catalog Number	Price U.S. \$ <sup>①</sup>
Indicator with buzzer, black Continuous tone, 18–30 Vac/dc	83 dB/10 cm	<b>M22-AMC-XAM</b>	71.50
Indicator with buzzer, black Pulsed tone, 18–30 Vac/dc	83 dB/10 cm	<b>M22-AMC-XAMP</b>	71.50

###### M22-XAM



##### Buzzers

Description	Decibel Rating	Catalog Number	Price U.S. \$ <sup>①</sup>
Indicator without buzzer, black	83 dB/10 cm	<b>M22-AMC</b>	29.75
Buzzer only, Continuous tone, 18–30 Vac/dc	83 dB/10 cm	<b>M22-XAM</b>	41.75
Buzzer only, Pulsed tone, 18–30 Vac/dc	83 dB/10 cm	<b>M22-XAMP</b>	41.75

##### Note

<sup>①</sup> Discount Symbol: **1CD7**.

M22 Modular Pushbuttons

**Through-the-Door Operators**

**Product Description**

Eaton's M22 through-the-door operators use the same familiar flush pushbutton look with the addition of a cut-to-length rod that allows for a simple reset operator.

**Features**

- Customizable laser engraving on all buttons
- More than 5 million mechanical operations
- Pushrod can be cut to length

**Protection Type**

- IP67, IP69K
- NEMA 4X, 13

**Product Selection**

**Through-the-Door Operators <sup>①</sup>**

**M22-DZ-B-X6**



**Complete Devices**

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑥</sup>
Blue	—	<b>M22-DZ-B</b>	18.90
	RESET	<b>M22-DZ-B-GB14</b>	20.00
	Ⓟ	<b>M22-DZ-B-X6</b>	20.00
Red	—	<b>M22-DZ-R</b>	18.90
	Ⓞ	<b>M22-DZ-R-X0</b>	20.00
	STOP	<b>M22-DZ-R-GB0</b>	20.00

**M22-DZ-X**



**Buttonless Operator**

Bezel	Catalog Number <sup>②</sup>	Price U.S. \$ <sup>⑥</sup>
Silver	<b>M22-DZ-X</b>	17.80

**M22-XD-B**



**Button Plates <sup>③</sup>**

Color	Inscription	Catalog Number	Price U.S. \$ <sup>⑥</sup>
Blue	—	<b>M22-XD-B <sup>④</sup></b>	1.10
	RESET	<b>M22-XD-B-GB14</b>	2.20
	Ⓟ	<b>M22-XD-B-X6</b>	2.20
Red	—	<b>M22-XD-R <sup>④</sup></b>	1.10
	Ⓞ	<b>M22-XD-R-X0</b>	2.20
	STOP	<b>M22-XD-R-GB0</b>	2.20

**Bulkhead Interfaces**

**Product Description**

Eaton's M22 bulkhead interfaces are another unique offering in the M22 line. This device allows for a secure connection to any USB or RJ45 connected device within an enclosure or panel. With an IP66 rating when closed, these devices are not only convenient, but robust and reliable.

**Features**

- Convenient and safe way to make a data connection to inside of the panel without opening the panel door

**Protection Type**

- IP66 when closed, IP20 when connected

**Product Selection**

**Bulkhead Interfaces**

**M22-USB-SA**



**USB Socket <sup>⑤⑥</sup>**

Description	Catalog Number	Price U.S. \$ <sup>⑥</sup>
Used for USB connection USB 2.0 Type A plug IP65 when closed IP20 when connected	<b>M22-USB-SA</b>	104.00

**M22-RJ45-SA**



**RJ45 Socket <sup>⑦⑧</sup>**

Description	Catalog Number	Price U.S. \$ <sup>⑥</sup>
Used for RJ45 Ethernet connection IP65 when closed IP20 when connected	<b>M22-RJ45-SA</b>	67.50

**Notes**

- ① The pushrod is 3.24 in long and can be cut to length.
- ② Includes contact block mounting adapter.
- ③ Any combination of plate color and inscription is available.
- ④ Minimum order quantity of (10).
- ⑤ USB interface is complete with 2-ft-long USB cable.
- ⑥ UL and CSA pending.
- ⑦ RJ45 interface is an 8-wire connector.
- ⑧ Discount Symbol: **1CD7**.



## ASi Adapter Modules

### Product Description

Eaton's M22 ASi adapter modules add functionality to every operator in the M22 line. These devices can be connected to any operator that uses contact blocks or LED units. The simple snap-on design allows for a quick integration of an entire application of operators to a communicating network.

### Features

- Allows compatible operators to communicate on an ASi network
- Not only can the status of a contact block be read, but LEDs can be illuminated by an ASi adapter
- ASi adapters simply clip on to the back of the contact blocks and LEDs
- Insulation displacement connectors allow for installation of adapters without any tools
- Two integrated LEDs indicate status of communications

### Protection Type

- IP20

## Product Selection

### ASi Adapter Modules

#### M22-ASI



#### Complete Devices

Description	Catalog Number	Price U.S. \$ <sup>①</sup>
ASi adapter module	<b>M22-ASI</b>	184.00
ASi adapter module for base mounting	<b>M22-ASI-C</b>	187.00
ASi adapter module for E-Stop	<b>M22-ASI-CS</b>	234.00
ASi adapter module for E-Stop base mounting	<b>M22-ASI-S</b>	273.00

#### Note

<sup>①</sup> Discount Symbol: **1CD7**.

## Palm Switches

### Product Description

Eaton's M22 palm switches are an oversized button that mount directly to an enclosure base. This allows for a stand-alone button that can be mounted anywhere. The enclosure uses base-mounted contact blocks, which allows for quick wiring and mounting. The palm switches come in momentary or maintained versions. As with other M22 operators, the palm switches are available as complete devices, including the enclosure and contact blocks or as modular components.

### Features

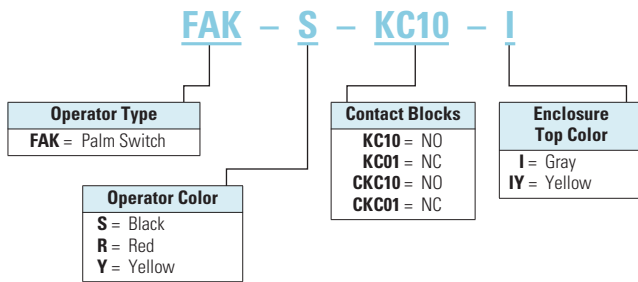
- Oversized operator in black, red and yellow color options
- Button integrated directly into an enclosure
- Base mounting contact blocks allow for simple wiring and installation
- More than 1 million mechanical operations on momentary and 100,000 on maintained operators

### Protection Type

- IP67, IP69K
- NEMA 4X, 13

## Catalog Number Selection

### Palm Switches, Type 4X/13 Enclosure



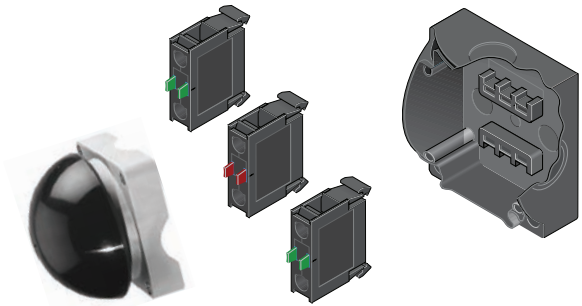
**Note:** Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

## Product Selection

### Complete Devices

#### Operator, Base and Contact Blocks <sup>①</sup>

Button Color	Contact Block Configuration <sup>②</sup> ⊖	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>Momentary</b>			
Black	1NO-1NC	<b>FAK-S-KC11-I</b>	180.00
Red	1NO-1NC	<b>FAK-R-KC11-I</b>	180.00
Yellow	1NO-1NC	<b>FAK-Y-KC11-I</b>	180.00
<b>Maintained</b>			
Red	NC	<b>FAK-R-V-KC01-IY</b>	225.00
	2NC	<b>FAK-R-V-KC02-IY</b>	236.00
	1NO-2NC	<b>FAK-R-V-KC12-IY</b>	247.00
	1NO-1NC	<b>FAK-R-V-KC11-IY</b>	236.00



### Components

#### FAK-S



#### Operators Only

Type	Button Color	Catalog Number	Price U.S. \$ <sup>③</sup>
Momentary	Black	<b>FAK-S</b>	119.00
	Red	<b>FAK-R</b>	119.00
	Yellow	<b>FAK-Y</b>	119.00
Maintained	Red	<b>FAK-R-V-Y</b>	176.00

#### FAK-IU



#### Palm Switch Enclosure Base

Catalog Number	Price U.S. \$ <sup>③</sup>
<b>FAK-IU</b>	39.75

#### M22-KC10



#### Contact Blocks <sup>①</sup>

Terminal Type	Contact Configuration <sup>②</sup> ⊖	Catalog Number	Price U.S. \$ <sup>③</sup>
Screw	NO	<b>M22-KC10</b>	11.00
	NC	<b>M22-KC01</b>	11.00
Spring-Cage	NO	<b>M22-CKC10</b>	14.30
	NC	<b>M22-CKC01</b>	14.30

#### Notes

- <sup>①</sup> For complete listing of available contact blocks, see Accessories, **Pages 67–72**.
- <sup>②</sup> All NC contact blocks are positively driven contact.
- <sup>③</sup> Discount Symbol: **1CD7**.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Assembled Control Stations



#### Product Selection

##### 1 Element Control Stations

Orientation	Description	Color	①	Inscription	Enclosure Cover Color	Catalog Number	Price U.S. \$ ②
Horizontal	40 mm Mushroom Head Push-Pull Emergency Stop Operator	Red	NC	—	Yellow	<b>M22-C1-M1H</b>	99.00
Horizontal	40 mm Illuminated Mushroom Head Push-Pull Emergency Stop Operator, 85–264 Vac	Red	NO-NC	—	Yellow	<b>M22-C1-M2H</b>	139.00
Horizontal	40 mm Mushroom Head Twist-to-Release Emergency Stop Operator	Red	NC	—	Yellow	<b>M22-C1-M3H</b>	117.00
Horizontal	40 mm Mushroom Head Key-Release Emergency Stop Operator	Red	NC	—	Yellow	<b>M22-C1-M4H</b>	150.00
Horizontal	Flush Pushbutton	Green	NO	⓪	Gray	<b>M22-C1-M5H</b>	83.50
Horizontal	Flush Pushbutton	Green	NO	START	Gray	<b>M22-C1-M6H</b>	83.50
Horizontal	Extended Pushbutton	Red	NC	Ⓢ	Gray	<b>M22-C1-M7H</b>	83.50
Horizontal	Extended Pushbutton	Red	NC	STOP	Gray	<b>M22-C1-M8H</b>	83.50
Horizontal	Key-Operated Selector Switch, 2-position Maintained	—	NO	OFF-ON	Gray	<b>M22-C1-M9H</b>	133.00
Horizontal	Knob Type Selector Switch, 3-position Maintained	—	2NO	HAND 0 AUTO	Gray	<b>M22-C1-M10H</b>	104.00
Horizontal	Double Pushbutton	Green	NO	START	Gray	<b>M22-C1-M11H</b>	121.00
		Red	NC	STOP			

#### 47

##### 2 Element Control Stations

Orientation	Element 1 Description	Color	①	Inscription	Element 2 Description	Color	①	Inscription	Enclosure Cover Color	Catalog Number	Price U.S. \$ ②
Horizontal	Extended Pushbutton	Red	NC	Ⓢ	Flush Pushbutton	Green	NO	⓪	Gray	<b>M22-C2-M1H</b>	88.00
Vertical	Flush Pushbutton	Green	NO	START	Extended Pushbutton	Red	NC	STOP	Gray	<b>M22-C2-M2V</b>	88.00
Vertical	Flush Pushbutton	Black	NO	FORWARD	Flush Pushbutton	Black	NO	REVERSE	Gray	<b>M22-C2-M3V</b>	88.00

##### 3 Element Control Stations

Orientation	Element 1 Description	Color	①	Inscription	Element 2 Description	Color	①	Inscription	Element 3 Description	Color	①	Inscription	Enclosure Cover Color	Catalog Number	Price U.S. \$ ②
Horizontal	Extended Pushbutton	Red	NC	Ⓢ	Indicating Light	White	85–264 Vac	—	Flush Pushbutton	Green	NO	⓪	Gray	<b>M22-C3-M1H</b>	134.00
Vertical	Indicating Light	White	85–264 Vac	—	Flush Pushbutton	Green	NO	START	Extended Pushbutton	Red	NC	STOP	Gray	<b>M22-C3-M2V</b>	134.00
Horizontal	Flush Pushbutton	Green	NO	⓪	Extended Pushbutton	Red	NC	Ⓢ	Flush Pushbutton	Green	NO	Ⓢ	Gray	<b>M22-C3-M3H</b>	134.00
Vertical	Flush Pushbutton	Black	NO	OPEN	Extended Pushbutton	Red	NC	STOP	Flush Pushbutton	Black	NO	CLOSE	Gray	<b>M22-C3-M4V</b>	112.00
Vertical	Flush Pushbutton	Black	NO	FORWARD	Flush Pushbutton	Red	NC	STOP	Flush Pushbutton	Black	NO	REVERSE	Gray	<b>M22-C3-M5V</b>	112.00
Vertical	Flush Pushbutton	Black	NO	UP	Flush Pushbutton	Red	NC	STOP	Flush Pushbutton	Black	NO	DOWN	Gray	<b>M22-C3-M6V</b>	112.00

#### Notes

For assembled control stations not found in this selection, please contact the Eaton Technical Resource Center at 1-877-ETN CARE (386-2273) or TRC@eaton.com.

① Contact block configuration.

② Discount Symbol: **1CD7**.

Accessories

Button Plates

M22-XD-S



M22-XDH-R



M22-XDP-G



Color	Inscription	Catalog Number Flush Pushbutton	Price U.S. \$ <sup>②</sup>	Catalog Number Extended Pushbutton	Price U.S. \$ <sup>②</sup>	Catalog Number Mushroom Head Button	Price U.S. \$ <sup>②</sup>
Black	—	M22-XD-S	1.10	M22-XDH-S	2.20	M22-XDP-S	1.10
White	—	M22-XD-W	1.10	M22-XDH-W	2.20	M22-XDP-W	1.10
Red	—	M22-XD-R	1.10	M22-XDH-R	2.20	M22-XDP-R	1.10
Green	—	M22-XD-G	1.10	M22-XDH-G	2.20	M22-XDP-G	1.10
Yellow	—	M22-XD-Y	1.10	M22-XDH-Y	2.20	M22-XDP-Y	1.10
Blue	—	M22-XD-B	1.10	M22-XDH-B	2.20	—	—
Black, White, Red, Green, Yellow, Blue	—	M22-XD-SWRGYB	5.50	M22-XDH-SWRGYB	11.00	—	—
Black, Red, Green	—	M22-XD-SRG	2.75	M22-XDH-SRG	5.50	—	—
Black	Custom	M22-XD-S-ETCH	2.20	M22-XDH-S-ETCH	3.30	M22-XDP-S-ETCH	2.20
White	Custom	M22-XD-W-ETCH	2.20	M22-XDH-W-ETCH	3.30	M22-XDP-W-ETCH	2.20
Red	Custom	M22-XD-R-ETCH	2.20	M22-XDH-R-ETCH	3.30	M22-XDP-R-ETCH	2.20
Green	Custom	M22-XD-G-ETCH	2.20	M22-XDH-G-ETCH	3.30	M22-XDP-G-ETCH	2.20
Yellow	Custom	M22-XD-Y-ETCH	2.20	M22-XDH-Y-ETCH	3.30	M22-XDP-Y-ETCH	2.20
Blue	Custom	M22-XD-B-ETCH	2.20	M22-XDH-B-ETCH	3.30	—	—
Black	STOP	M22-XD-S-GB0	2.20	M22-XDH-S-GB0	3.30	M22-XDP-S-GB0	2.20
Red	STOP	M22-XD-R-GB0	2.20	M22-XDH-R-GB0	3.30	M22-XDP-R-GB0	2.20
Black	START	M22-XD-S-GB1	2.20	M22-XDH-S-GB1	3.30	M22-XDP-S-GB1	2.20
White	START	M22-XD-W-GB1	2.20	M22-XDH-W-GB1	3.30	—	—
Green	START	M22-XD-G-GB1	2.20	M22-XDH-G-GB1	3.30	M22-XDP-G-GB1	2.20
Black	CLOSE	M22-XD-S-GB2	2.20	M22-XDH-S-GB2	3.30	—	—
Black	UP	M22-XD-S-GB3	2.20	M22-XDH-S-GB3	3.30	M22-XDP-S-GB3	2.20
Black	DOWN	M22-XD-S-GB4	2.20	M22-XDH-S-GB4	3.30	M22-XDP-S-GB4	2.20
Black	OFF	M22-XD-S-GB5	2.20	M22-XDH-S-GB5	3.30	M22-XDP-S-GB5	2.20
Red	OFF	M22-XD-R-GB5	2.20	M22-XDH-R-GB5	3.30	M22-XDP-R-GB5	2.20
Black	ON	M22-XD-S-GB6	2.20	M22-XDH-S-GB6	3.30	M22-XDP-S-GB6	2.20
Green	ON	M22-XD-G-GB6	2.20	M22-XDH-G-GB6	3.30	M22-XDP-G-GB6	2.20
Black	TEST	M22-XD-S-GB9	2.20	M22-XDH-S-GB9	3.30	—	—
Blue	RESET	M22-XD-B-GB14	2.20	M22-XDH-B-GB14	3.30	—	—
Black	FORWARD	M22-XD-S-GB15	2.20	M22-XDH-S-GB15	3.30	M22-XDP-S-GB15	2.20
Black	REVERSE	M22-XD-S-GB16	2.20	M22-XDH-S-GB16	3.30	M22-XDP-S-GB16	2.20
Black	RAISE	M22-XD-S-GB17	2.20	M22-XDH-S-GB17	3.30	—	—
Black	LOWER	M22-XD-S-GB18	2.20	M22-XDH-S-GB18	3.30	—	—
Black	Ⓞ	M22-XD-S-X0	2.20	M22-XDH-S-X0	3.30	M22-XDP-S-X0	2.20
Red	Ⓞ	M22-XD-R-X0	2.20	M22-XDH-R-X0	3.30	M22-XDP-R-X0	2.20
Green	Ⓞ	—	—	—	—	M22-XDP-G-X0	2.20
Black	Ⓛ	M22-XD-S-X1	2.20	M22-XDH-S-X1	3.30	M22-XDP-S-X1	2.20
White	Ⓛ	M22-XD-W-X1	2.20	M22-XDH-W-X1	3.30	—	—
Green	Ⓛ	M22-XD-G-X1	2.20	M22-XDH-G-X1	3.30	M22-XDP-G-X1	2.20
Black	Ⓛ	M22-XD-S-X2	2.20	M22-XDH-S-X2	3.30	—	—
Green	Ⓛ	M22-XD-G-X2	2.20	M22-XDH-G-X2	3.30	—	—
Black	Ⓛ	M22-XD-S-X4	2.20	M22-XDH-S-X4	3.30	M22-XDP-S-X4	2.20
Black	Ⓛ	M22-XD-S-X5	2.20	M22-XDH-S-X5	3.30	M22-XDP-S-X5	2.20
Blue	Ⓛ	M22-XD-B-X6	2.20	M22-XDH-B-X6	3.30	—	—
Black	Ⓛ	M22-XD-S-X7	2.20	M22-XDH-S-X7	3.30	M22-XDP-S-X7	2.20
Black	Ⓛ	M22-XD-S-X8	2.20	M22-XDH-S-X8	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X9	2.20	M22-XDH-S-X9	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X10	2.20	M22-XDH-S-X10	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X11	2.20	M22-XDH-S-X11	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X12	2.20	M22-XDH-S-X12	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X13	2.20	M22-XDH-S-X13	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X14	2.20	M22-XDH-S-X14	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X15	2.20	M22-XDH-S-X15	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X16	2.20	M22-XDH-S-X16	3.30	—	—
Black	See Ⓛ below	M22-XD-S-X17	2.20	M22-XDH-S-X17	3.30	—	—

Notes

Ⓛ Refer to the Symbols Library, Pages 85–92, for symbol image.

② Discount Symbol: 1CD7.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

M22-XDLH-W



M22-XDL-G



#### Button Lenses

Color	Inscription	Catalog Number Flush	Price U.S. \$ <sup>②</sup>	Catalog Number Extended	Price U.S. \$ <sup>②</sup>
White	—	M22-XDL-W	1.55	M22-XDLH-W	2.65
Red	—	M22-XDL-R	1.55	M22-XDLH-R	2.65
Green	—	M22-XDL-G	1.55	M22-XDLH-G	2.65
Yellow	—	M22-XDL-Y	1.55	M22-XDLH-Y	2.65
Blue	—	M22-XDL-B	1.55	M22-XDLH-B	2.65
White	Custom	M22-XDL-W-ETCH	2.65	M22-XDLH-W-ETCH	3.75
Red	Custom	M22-XDL-R-ETCH	2.65	M22-XDLH-R-ETCH	3.75
Green	Custom	M22-XDL-G-ETCH	2.65	M22-XDLH-G-ETCH	3.75
Yellow	Custom	M22-XDL-Y-ETCH	2.65	M22-XDLH-Y-ETCH	3.75
Blue	Custom	M22-XDL-B-ETCH	2.65	M22-XDLH-B-ETCH	3.75
Red	STOP	M22-XDL-R-GB0	2.65	M22-XDLH-R-GB0	3.75
Green	START	M22-XDL-G-GB1	2.65	M22-XDLH-G-GB1	3.75
Red	OFF	M22-XDL-R-GB5	2.65	M22-XDLH-R-GB5	3.75
Green	ON	M22-XDL-G-GB6	2.65	M22-XDLH-G-GB6	3.75
Blue	RESET	M22-XDL-B-GB14	2.65	M22-XDLH-B-GB14	3.75
Red	Ⓢ	M22-XDL-R-X0	2.65	M22-XDLH-R-X0	3.75
Green	Ⓢ	M22-XDL-G-X1	2.65	M22-XDLH-G-X1	3.75
Blue	Ⓢ	M22-XDL-B-X6	2.65	M22-XDLH-B-X6	3.75

#### Contact Block Mounting Adapter

Description	Catalog Number	Price U.S. \$ <sup>②</sup>
Mounting Adapter	M22-A	3.20

M22-A



M22-A4



Mounting Adapter, 4-Position	M22-A4	6.15
------------------------------	--------	------

# 47

M22-K10



#### Contact Blocks

Mounting Location	Terminal Type	Contact Configuration <sup>①</sup> ⊖	Package Qty.	Catalog Number	Price U.S. \$ <sup>②</sup>		
Front	Screw	NO	1	M22-K10	11.00		
		NO	25	M22-K10-B25	275.00		
		NO	100	M22-K10-B100	1,100.00		
		NO, Early-Make	1	M22-K10P	12.10		
		NC	1	M22-K01	11.00		
		NC	25	M22-K01-B25	275.00		
		NC	100	M22-K01-B100	1,100.00		
		NC, Late-Break	1	M22-K01D	12.10		
		Base		NO	1	M22-KC10	11.00
NC	1			M22-KC01	11.00		
NO	25			M22-KC10-B25	275.00		
NO	100			M22-KC10-B100	1,100.00		
NC	25			M22-KC01-B25	275.00		
NC	100			M22-KC01-B100	1,100.00		
Front	Spring-Cage			NO	1	M22-CK10	14.80
				NC	1	M22-CK01	14.80
				NC, Late-Break	1	M22-CK01D	15.80
		2NO	1	M22-CK20	29.50		
		2NC	1	M22-CK02	29.50		
		NO-NC	1	M22-CK11	29.50		
		Base		NO	1	M22-CKC10	14.30
				NC	1	M22-CKC01	14.30

#### Notes

- ① All NC contact blocks are positively driven contact.
- ② Discount Symbol: **1CD7**.

M22-LED-W



Light Units

Terminal Type	Mounting Location	LED Color	Light Unit Voltage	Catalog Number	Price U.S. \$ <sup>①</sup>	
Screw	Front	White	12–30 Vac/dc	M22-LED-W	28.75	
		Red		M22-LED-R	28.75	
		Green		M22-LED-G	28.75	
		Blue		M22-LED-B	28.75	
	Base	85–264 Vac	White		M22-LED230-W	28.75
			Red		M22-LED230-R	28.75
			Green		M22-LED230-G	28.75
			Blue		M22-LED230-B	28.75
		207–264 Vac	White		M22-LED230H-W	28.75
			Red		M22-LED230H-R	28.75
			Green		M22-LED230H-G	28.75
			Blue		M22-LED230H-B	28.75
Spring-Cage	Front	White	12–30 Vac/dc	M22-CLED-W	30.75	
		Red		M22-CLED-R	30.75	
		Green		M22-CLED-G	30.75	
		Blue		M22-CLED-B	30.75	
	Base	85–264 Vac	White		M22-CLED230-W	30.75
			Red		M22-CLED230-R	30.75
			Green		M22-CLED230-G	30.75
			Blue		M22-CLED230-B	30.75
		207–264 Vac	White		M22-CLED230H-W	30.75
			Red		M22-CLED230H-R	30.75
			Green		M22-CLED230H-G	30.75
			Blue		M22-CLED230H-B	30.75
Base	12–30 Vac/dc	White		M22-LEDC-W	28.75	
		Red		M22-LEDC-R	28.75	
		Green		M22-LEDC-G	28.75	
		Blue		M22-LEDC-B	28.75	
	85–264 Vac	White		M22-LEDC230-W	28.75	
		Red		M22-LEDC230-R	28.75	
		Green		M22-LEDC230-G	28.75	
		Blue		M22-LEDC230-B	28.75	
		207–264 Vac	White		M22-LEDC230H-W	28.75
			Red		M22-LEDC230H-R	28.75
			Green		M22-LEDC230H-G	28.75
			Blue		M22-LEDC230H-B	28.75

M22-XLED60



LED Resistor and Test Elements

Terminal Type	Mounting Location	Element Type	Voltage	Catalog Number	Price U.S. \$ <sup>①</sup>
Screw	Front	Resistor <sup>①</sup>	42–60 Vac/dc	M22-XLED60	25.75
			220 Vdc	M22-XLED220	69.50
		Test	12–240 Vac/dc	M22-XLED-T	25.75
			85–264 Vac	M22-XLED230-T	37.75

Notes



- ① Resistor units to be used with 12-30 V light units.
- ② Discount Symbol: **1CD7**.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Legend Plate Holders and Inserts, Pushbuttons and Double Pushbuttons

	Description	Inscription	Catalog Number	Price U.S. \$ <sup>②</sup>
<b>M22S-ST-X</b> 	Legend plate holder, without legend plate insert, for pushbuttons	—	<b>M22S-ST-X</b>	1.55
	Legend plate holder, without legend plate insert, for double pushbuttons	—	<b>M22S-STDD-X</b>	5.50
<b>M22-XST-GB0</b> 	Legend plate insert	—	<b>M22-XST</b>	1.55
		—	<b>M22-XST-ETCH</b> <sup>①</sup>	2.65
		STOP	<b>M22-XST-GB0</b>	2.65
		START	<b>M22-XST-GB1</b>	2.65
		OFF	<b>M22-XST-GB5</b>	2.65
		ON	<b>M22-XST-GB6</b>	2.65
		RUN	<b>M22-XST-GB7</b>	2.65
		FAULT	<b>M22-XST-GB8</b>	2.65
		OFF ON	<b>M22-XST-GB10</b>	2.65
		MAN. AUTO	<b>M22-XST-GB11</b>	2.65
		MAN. O AUTO	<b>M22-XST-GB12</b>	2.65
		HAND AUTO	<b>M22-XST-D11</b>	2.65
		HAND O AUTO	<b>M22-XST-D12</b>	2.65
		1	<b>M22-XST-X52</b>	2.65
	2	<b>M22-XST-X53</b>	2.65	
	O I	<b>M22-XST-X88</b>	2.65	
	O - I	<b>M22-XST-X89</b>	2.65	
	I O II	<b>M22-XST-X93</b>	2.65	

#### Notes

- ① When ordering, specify inscription per catalog number suffix from the symbols library (see **Pages 85–92**) into the Order Notes. For example, M22-XD-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.
- ② Discount Symbol: **1CD7**.






#### Example

47

To order a legend plate for a pushbutton with non-standard markings (FORWARD):

1. Select legend plate holder—M22S-ST-X.
2. Select legend plate insert—M22-XST-ETCH.
3. Select FORWARD from the symbols library, **Page 85**, identified by GB15 suffix.
4. Indicate on the order form in the order notes—suffix GB15, line item # \_\_\_\_ .

Legend Plates, Complete

	Description	Inscription	Catalog Number	Price U.S. \$ <sup>②</sup>		
<b>M22S-ST-GB0</b> 	For use with Pushbuttons and Indicating Lights	Legend plate holder with insert	STOP	<b>M22S-ST-GB0</b>	4.20	
			START	<b>M22S-ST-GB1</b>	4.20	
			OFF	<b>M22S-ST-GB5</b>	4.20	
			ON	<b>M22S-ST-GB6</b>	4.20	
			RUN	<b>M22S-ST-GB7</b>	4.20	
			FAULT	<b>M22S-ST-GB8</b>	4.20	
			1	<b>M22S-ST-X52</b>	4.20	
			2	<b>M22S-ST-X53</b>	4.20	
		Selector Switches	—	OFF ON	<b>M22S-ST-GB10</b>	4.20
				MAN. AUTO	<b>M22S-ST-GB11</b>	4.20
				MAN. O AUTO	<b>M22S-ST-GB12</b>	4.20
				HAND AUTO	<b>M22S-ST-D11</b>	4.20
				HAND O AUTO	<b>M22S-ST-D12</b>	4.20
				O I	<b>M22S-ST-X88</b>	4.20
				O - I	<b>M22S-ST-X89</b>	4.20
	I O II		<b>M22S-ST-X93</b>	4.20		
<b>M22-XZK</b> 	Emergency-Stop Operators	Rectangular Yellow Legend Plate	—	<b>M22-XZK</b>	5.80	
			Custom	<b>M22-XZK-ETCH</b> <sup>①</sup>	6.90	
			EMERGENCY-STOP	<b>M22-XZK-GB99</b>	6.90	
<b>M22-XYK</b> 	Square Yellow Legend Plate	Custom	<b>M22-XYK</b>	5.80		
		Custom	<b>M22-XYK-ETCH</b> <sup>①</sup>	6.90		
		EMERGENCY-STOP 4-Language	<b>M22-XYK1</b>	6.90		
		EMERGENCY-STOP (top and bottom)	<b>M22-XYK5</b>	6.90		
		Round Yellow Legend Plate, 90 mm	—	<b>M22-XAK</b>	5.80	
			Custom	<b>M22-XAK-ETCH</b> <sup>①</sup>	6.90	
EMERGENCY-STOP 4-Language	<b>M22-XAK1</b>		6.90			
	EMERGENCY-STOP (top and bottom)	<b>M22-XAK5</b>	6.90			
<b>M22-XBK1</b> 	Round Yellow Legend Plate, 60 mm	—	<b>M22-XBK</b>	5.80		
		Custom	<b>M22-XBK-ETCH</b> <sup>①</sup>	6.90		
		EMERGENCY-STOP 4-Language	<b>M22-XBK1</b>	6.90		
		EMERGENCY-STOP (top and bottom)	<b>M22-XBK5</b>	6.90		
<b>M22-XCK1</b> 	Four-Way Pushbutton, Joystick and 4-Position Selector Switches	Silver Square Legend Plate	—	<b>M22-XCK</b>	8.55	
		Custom	<b>M22-XCK-ETCH</b> <sup>①</sup>	9.65		
		4 Directional Arrows	<b>M22-XCK1</b>	9.65		
		0-1-0-2-0-3-0-4	<b>M22-XCK2</b>	9.65		
		2 Directional Arrows	<b>M22-XCK3</b>	9.65		

Notes

① When ordering, specify inscription per catalog number suffix from the symbols library (see Pages 85–92) into the Order Notes. For example, M22-XD-S-ETCH; Order Notes: Mark with symbol X91, Line item #\_.

② Discount Symbol: **1CD7**.





# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons


#### Surface Mounting Enclosures

Description	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>M22-IY1-PG</b>  Yellow Top, Black Base for Emergency-Stop Operators	<b>M22-IY1-PG</b>	70.00
<b>M22-IY-PG</b> 		
1 Element Enclosure	<b>M22-I1-PG</b>	65.00
2 Element Enclosure	<b>M22-I2-PG</b>	70.50
3 Element Enclosure	<b>M22-I3-PG</b>	77.00
4 Element Enclosure	<b>M22-I4-PG</b>	86.00
6 Element Enclosure	<b>M22-I6-PG</b>	102.00
M20 Connecting Screw	<b>M22-XI</b>	8.80
M20 Cord Grip	<b>V-M20</b>	8.80





#### Flush Mounting Plates, Aluminum

Finish	Rating	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>1 Hole</b>			
Yellow Paint for Emergency-Stop Operators	—	<b>M22-EY1</b>	43.00
Gray Anodized	IP65	<b>M22-E1</b>	38.50
<b>2 Holes</b>			
Gray Anodized	IP65	<b>M22-E2</b>	50.50
<b>3 Holes</b>			
Gray Anodized	IP65	<b>M22-E3</b>	56.00
<b>4 Holes</b>			
Gray Anodized	IP65	<b>M22-E4</b>	72.50
<b>5 Holes</b>			
Gray Anodized	IP65	<b>M22-E5</b>	86.00
<b>6 Holes</b>			
Anodized	IP40	<b>M22-E6</b>	104.00

#### Shrouds, Plastic

Description	Rating	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>M22-H1</b> 	IP55	<b>M22-H1</b>	13.20
2-Element	IP55	<b>M22-H2</b>	27.50
3-Element	IP55	<b>M22-H3</b>	43.00
4-Element	IP40	<b>M22-H4</b>	58.50
5-Element	IP40	<b>M22-H5</b>	71.50
6-Element	IP40	<b>M22-H6</b>	87.00
Mounting Plate	—	<b>M22-XE5</b>	14.30
Plaster Keys for Flush Mounting	—	<b>M22-UPE</b>	13.20

#### Selector Switch Accessories

Description	Catalog Number	Price U.S. \$ <sup>③</sup>
<b>M22-XW</b>  Plunger Bridge <sup>①</sup>	<b>M22-XW</b>	4.40
<b>M22-XWS</b>  Key Cover	<b>M22-XWS</b>	11.00
<b>M22-XC-R</b>  Key Withdraw Adapter <sup>②</sup>	<b>M22-XC-R</b>	4.40
<b>M22-XC-Y</b>  Coding Adapter	<b>M22-XC-Y</b>	4.40

#### Emergency Stop Operator Accessories

Description	Catalog Number	Price U.S. \$ <sup>④</sup>
<b>M22-XGWK</b>  Guard Ring	<b>M22-XGWK</b>	12.40
<b>M22-XGPV</b>  Yellow Guard Ring	<b>M22-XGPV</b>	17.90
<b>M22G-XGPV</b>  Gray Guard Ring	<b>M22G-XGPV</b>	17.90
<b>M22-PL-PV</b>  Sealing Shroud	<b>M22-PL-PV</b>	24.20

#### Blanking Plugs

Color	Catalog Number	Price U.S. \$ <sup>③</sup>
Gray	<b>M22-B</b>	4.10
Black	<b>M22S-B</b>	4.10

#### Notes

- ① Plunger needed to actuate center-mounted contact blocks. Used for non-illuminated 3-position selector switches only.
- ② Enables a keyed selector switch to be set to user-selected key withdraw position.
- ③ Discount Symbol: **1CD7**.

**Mounting Accessories**

	Description	Catalog Number	Price U.S. \$ <sup>①</sup>
<b>M22-TC and M22-TA</b> 	Telescopic Clip with Top-Hat Rail	<b>M22-TC</b>	12.00
	Telescopic Clip	<b>M22-TA</b>	21.50
	Telescopic Clip Extension	<b>M22-TCV</b>	4.10
<b>M22-IVS</b> 	DIN Rail Mounting Adapter	<b>M22-IVS</b>	8.60
<b>M22-GR</b> 	Mounting Ring	<b>M22-GR</b>	2.50
<b>M22-MS</b> 	Mounting Ring Tool	<b>M22-MS</b>	8.60
<b>M22S-R30</b> 	Adapter Ring Set for 30 mm Holes	<b>M22S-R30</b>	3.75

**M22-T-D and M22-T-DD**



**Protective Diaphragm**

For Use with ...	Catalog Number	Price U.S. \$ <sup>①</sup>
Flush Pushbuttons and Indicating Lights	<b>M22-T-D</b>	4.90
Double Pushbuttons	<b>M22-T-DD</b>	5.45

**M22-ADC4**



**Dust Covers**

Description	Catalog Number	Price U.S. \$ <sup>①</sup>
Contact Block Dust Cover	<b>M22-XKDP</b>	1.30
Operator Dust Cover, Max 3 Contact Blocks	<b>M22-ADC</b>	21.40
Operator Dust Cover, Max 4 Contact Blocks	<b>M22-ADC4</b>	21.40

**Kits**

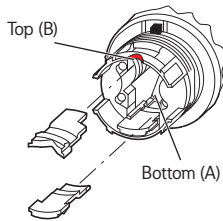
Description	Catalog Number	Price U.S. \$ <sup>①</sup>
Includes one each: M22-XW, M22-XC-R, M22-XC-Y, M22S-B, M22-A, M22-XD-SWRGYB	<b>M22-KT1</b>	23.00

**Note**

<sup>①</sup> Discount Symbol: **1CD7**.

#### Coding Adapter Guide

#### Selector Switches



#### 2-Position Selector Switch

Top (B)	Bottom (A)	Catalog Number	Function
		M22(S)-W(L)(K)	Momentary
		M22(S)-WR(L)(K)	Maintained

#### 3-Position Selector Switch

Top (B)	Bottom (A)	Catalog Number	Function Left	Right
		M22(S)-W(L)(K)3	Momentary	Momentary
		M22(S)-WR(L)(K)3	Maintained	Maintained
		M22(S)-WR(L)(K)3-1	Maintained	Momentary
		M22(S)-WR(L)(K)3-2	Momentary	Maintained

#### 2-Position Key-Operated Selector Switch

Top (B)	Bottom (A)	Catalog Number	Center Key Withdraw	Right Function	Key Withdraw
		M22(S)-WS	Yes	Momentary	No
		M22(S)-WRS	Yes	Maintained	Yes
		M22(S)-WRS-A1	Yes	Maintained	No

#### 3-Position Key-Operated Selector Switch

Top (B)	Bottom (A)	Catalog Number	Left Function	Key Withdraw	Center Key Withdraw	Right Function	Key Withdraw
		M22(S)-WS3	Momentary	No	Yes	Momentary	No
		M22(S)-WRS3	Maintained	Yes	Yes	Maintained	Yes
		M22(S)-WRS3-A1	Maintained	No	Yes	Maintained	No
		M22(S)-WRS3-A2	Maintained	Yes	Yes	Maintained	No
		M22(S)-WRS3-A3	Maintained	No	Yes	Maintained	Yes
		M22(S)-WRS3-A4	Maintained	Yes	Yes	Momentary	No
		M22(S)-WRS3-A5	Maintained	No	Yes	Momentary	No
		M22(S)-WRS3-A6	Momentary	No	Yes	Maintained	Yes
		M22(S)-WRS3-A7	Momentary	No	Yes	Maintained	No

**Technical Data and Specifications**

**Pushbuttons, Indicating Lights, Selector Switches and Emergency-Stop Operators**

		Momentary Pushbuttons	Maintained Pushbuttons	Indicating Lights, Buzzers and Potentiometers	Emergency-Stop Operators	Selector Switches	Key-Operated Operators	Double Pushbuttons
<b>General</b>								
Standards		IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup> >5	>1	—	>0.1	>0.1	>0.1	>0.2
Operating frequency	Operations/h	≥3600	≥1800	—	≥600	≥2000	≥100	≥3600
Actuating force	n	≥5	≥5	—	≥50	—	—	≥5
Operating torque (screw terminals)	Nm	—	—	—	—	≥0.3	≥0.5	—
<b>Protection Type</b>								
IP		IP67, IP69K	IP67, IP69K	Indicating lights: IP67, 69K Buzzers: IP40 Potentiometers: IP66	IP67, IP69K	IP66	IP66	IP66
UL Type		4X, 13	4X, 13	Indicating lights: 4X/13 Buzzers: 12 Potentiometers: 4X/13	4X, 13	4X, 13	4X, 13	4X, 13
Climatic proofing		Damp heat, constant, according to IEC 60068-2-78 Damp heat, cyclical to IEC 60068-2-30						
Ambient Temperature, Operating		°F (°C)	–13–158 (–25–70)	–13–158 (–25–70)	–13–158 (–25–70)	–13–158 (–25–70)	–13–158 (–25–70)	–13–158 (–25–70)
Mounting position		As required						
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal		g	>30	>30	>30	>50	>30	>30
<b>Terminal Capacities</b>								
Solid		AWG	—	—	20-16	—	—	—
		mm <sup>2</sup>	—	—	0.5–1.5	—	—	—
Stranded		AWG	—	—	20-16	—	—	—
		mm <sup>2</sup>	—	—	0.5–1.5	—	—	—
<b>Contacts</b>								
Rated impulse withstand voltage	U <sub>imp</sub>	Vac	—	—	4000	—	—	—
Rated insulation voltage	U <sub>i</sub>	V	—	—	2500	—	—	—
Overvoltage category/ pollution degree			—	—	III/3	—	—	—

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

#### Contact Blocks and Light Units

			Contact Blocks	LED Light Units
<b>General</b>				
Standards			IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	$\times 10^6$	>5	—
Operating frequency	Operations/h		$\geq 3600$	—
Actuating force	n		$\geq 5$	—
Operating torque (screw terminals)	Nm		$\geq 0.8$	—
<b>Protection Type</b>				
IP			IP20	IP20
UL Type			—	—
Climatic proofing			Damp heat, constant, according to IEC 60068-2-78 Damp heat, cyclical to IEC 60068-2-30	
Ambient Temperature, Operating		°F (°C)	–13–158 (–25–70)	–13–158 (–25–70)
Mounting position			As required	As required
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal		g	>30	>30
<b>Terminal Capacities</b>				
Solid		AWG	18–14	18–14
		mm <sup>2</sup>	0.75–2.5	0.75–2.5
Stranded		AWG	20–14	20–14
		mm <sup>2</sup>	0.5–2.5	0.5–2.5
<b>Contacts</b>				
Rated impulse withstand voltage	$U_{imp}$	Vac	6000	6000
Rated insulation voltage	$U_i$	V	500	500
Overvoltage category/ pollution degree			III/3	III/3
<b>Control Circuit Reliability</b>				
at 24 Vdc/5 mA	$H_f$	Fault probability	< 10 <sup>-7</sup> , < 1 fault in 10 <sup>7</sup> operations	—
at 5 Vdc/1 mA	$H_f$	Fault probability	< 5 $\times 10^{-6}$ , < 1 fault in 5 $\times 10^6$ operations	—
<b>Max. Short-Circuit Protective Device</b>				
Fuse	gG/gL	A	10	—
<b>Switching Capacity</b>				
<b>Rated Operational Current</b>				
AC-15				
115 V	$I_e$	A	4	—
230 V	$I_e$	A	4	—
400 V	$I_e$	A	2	—
500 V	$I_e$	A	2	—
DC-13				
24 V	$I_e$	A	3	—
42 V	$I_e$	A	1.7	—
60 V	$I_e$	A	1.2	—
110 V	$I_e$	A	0.8	—
220 V	$I_e$	A	0.3	—
<b>Lifespan, Electrical</b>				
AC-15				
230 V/0.5 A	Operations	$\times 10^6$	1.6	—
230 V/1.0 A	Operations	$\times 10^6$	1	—
230 V/3.0 A	Operations	$\times 10^6$	0.7	—
DV-13				
12 V/2.8 A	Operations	$\times 10^6$	1.2	—

**Contact Element Note:** >200 Vac/60 Hz: –25/+55 °C

**Palm Switches**

		Momentary	Maintained	FAK-R-V-KC11-I
<b>General</b>				
Standards		IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660	IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations x 10 <sup>6</sup>	>1	>0.1	>0.1
Operating frequency	Operations/h	≥3600	≥600	≥600
Actuating force	n	20–40	40–60	15–25
Operating torque	Nm	—	—	—
Degree of protection, IEC/EN 60529	IP	IP67, IP69K	IP67, IP69K	IP65
	UL Type	4X, 13	4X, 13	4X, 13
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30		
Ambient Temperature, Operating	°F (°C)	–73–104 (–25–40)	–73–104 (–25–40)	–73–104 (–25–40)
Mounting position		As required		
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal	g	>15	>15	>15

**ASi Adapter Modules**

		M22-ASI	M22-ASI-C
<b>General</b>			
Standards		IEC/EN 60947, DIN EN 50295	IEC/EN 60947, DIN EN 50295
Radio interference suppression		EN 55011, EN 55022	EN 55011, EN 55022
Limit value class		—	—
Protection type		IP20	IP00
Climatic proofing		Damp heat, constant, to IEC 60068-2-78, cyclical, to IEC 60068-2-30	
Ambient Temperature, Operating	°F (°C)	–13–131 (–25–55)	–13–131 (–25–55)
Shock resistance Shock duration 11 ms	g	>30	>30
Vibration to IEC 60068-2-27 (amplitude 1 mm)	Hz	—	—
Dimensions	mm	—	—
Weight	kg	—	—
Mounting		Front mounting	
Mounting position		As required	
<b>Power supply</b>			
Rated voltage to AS-Interface Specification	Vdc	26.5–31.6	26.5–31.6
Connection technique		Yellow plug-in terminal as insulation piercing terminal	2 cables on board
Power supply		Completely from the AS-Interface cable	
Addressing		Via connection to AS-Interface cable	
Total power consumption of the AS-Interface	mA	≥40	≥40
AS-Interface		—	—
Rated operational current at full load	mA	—	—
Rated operational current when idle (no I, O set)	mA	—	—
Status LEDs		POWER AS-Interface cable: green LED on the rear side of the element ERROR AS-Interface, AS-Interface Master failure: red LED on the rear side of the element	POWER AS-Interface cable: green LED on the board ERROR AS-Interface, AS-Interface Master failure: red LED on the board

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

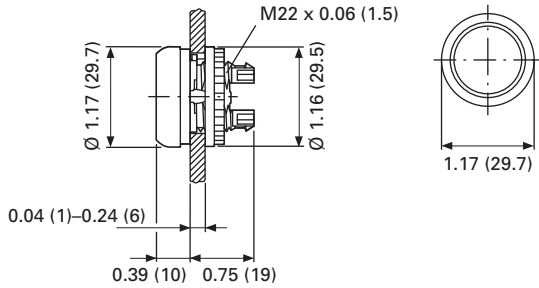
#### ASI-S Adapter Modules

		M22-ASI-S	M22-ASI-CS
<b>Inputs</b>			
Inputs, protected against short-circuit	Number	2 (normally 22 V/5 mA)	2 (normally 22 V/5 mA)
Voltage range	Vdc	—	—
Rated current per input	mA	—	—
High signal level	V	—	—
Low signal	mA	—	—
Length of connecting cables	cm	—	—
<b>Outputs</b>			
Outputs, protected against short-circuit	Number	1 (normally 19 V/8 mA)	1 (normally 19 V/8 mA)
Voltage range	Vdc	—	—
<b>Max. Current Carrying Capacity</b>			
All outputs		—	—
Σ 3 external outputs		—	—
Length of connecting cables	cm	—	—
Profile		S-3.A.E	S-3.A.E
Specification		2.1	2.1
Addresses	Number	62	62
<b>Emergency-Stop Circuits</b>			
Connection of the AS-Interface line		Yellow plug terminal with insulation piercing	2 cables on the circuit board
Power supply		Complete from AS-Interface, cable 26.5–31.6 Vdc	Complete from AS-Interface, cable 26.5–31.6 Vdc
Fixing		Front mounted	Base mounted
Addressing		Via AS-Interface cable	Via AS-Interface cable
Max. total current	A	45 mA	45 mA
Ambient Temperature, Operating	°F (°C)	–13–131 (–25–55)	–13–131 (–25–55)
Shock resistance		30 g/11 ms as per IEC 60068-2-27	30 g/11 ms as per IEC 60068-2-27
Protection type		IP20	IP00
Climatic proofing		Damp heat, constant, to IEC 60068-2-78, cyclical, to IEC 60068-2-30	Damp heat, constant, to IEC 60068-2-78, cyclical, to IEC 60068-2-30
Mounting position		As required	As required
Standards		EN 50178 EN 50 295	EN 50178 EN 50 295
Inputs		2-channel input (22 V/5 mA) (moduled by code sequence) (2 break contact sets M22-K01)	2-channel input (22 V/5 mA) (moduled by code sequence) (2 break contact sets M22-K01)
Outputs		1 output, typically 19 V/8 mA, short-circuit proof	1 output, typically 19 V/8 mA, short-circuit proof
<b>Status Displays</b>			
Power, AS-Interface cable		Green LED on the back	Green LED on the back
AS-Interface error, AS-Interface master failure		Red LED on the back	Red LED on the back
Profile		S-7.B.E	S-7.B.E

**Dimensions**

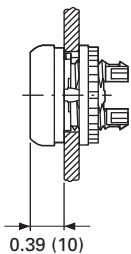
Approximate Dimensions in Inches (mm)

**Operators and Indicating Lights**

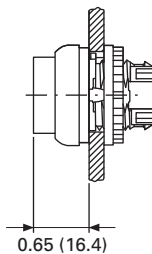


**Pushbuttons**

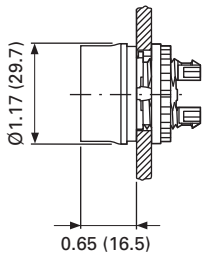
M22...-D-...



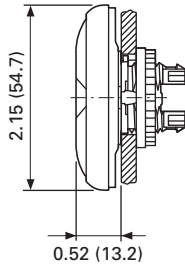
M22...-DH-...



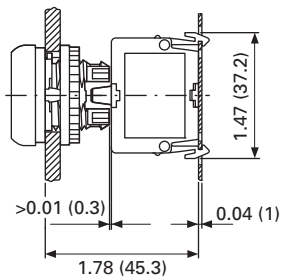
M22-DG(L)-...



M22...-DD-...

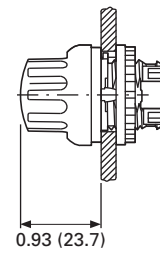


M22-D, Base Mounted

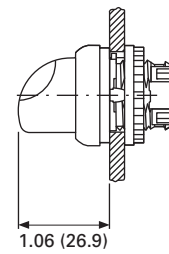


**Selector Switches Operators**

M22...-W-...

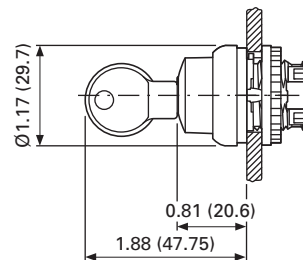


M22...-WL-...



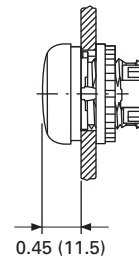
**Key-Operated Selector Switches**

M22...-W(R)S-...



**Indicating Light**

M22-L...



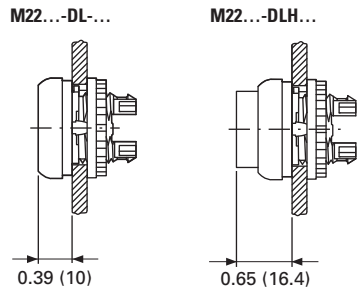


# 47.4 Pushbuttons and Indicating Lights

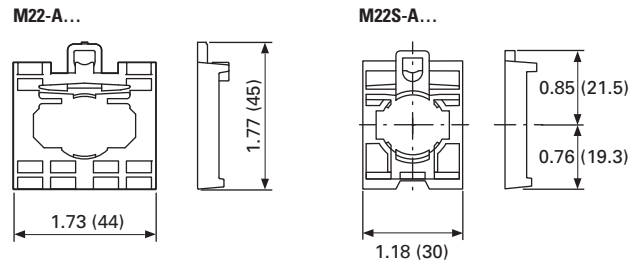
## M22 Modular Pushbuttons

Approximate Dimensions in Inches (mm)

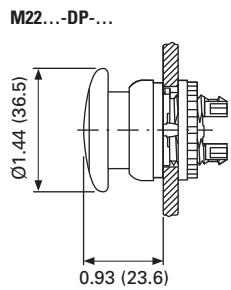
### Illuminated Pushbuttons



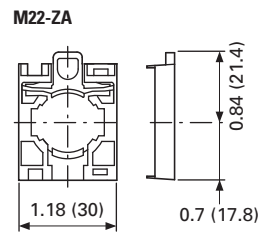
### Contact Block Mounting Adapter



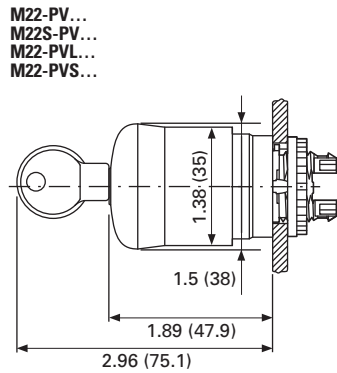
### Mushroom Head Pushbutton



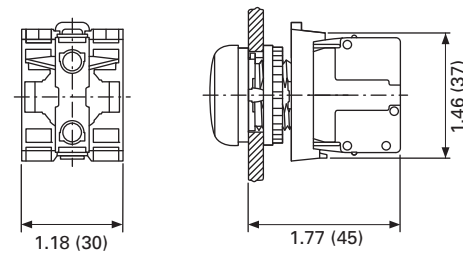
### Front Mounted Centering Adapter



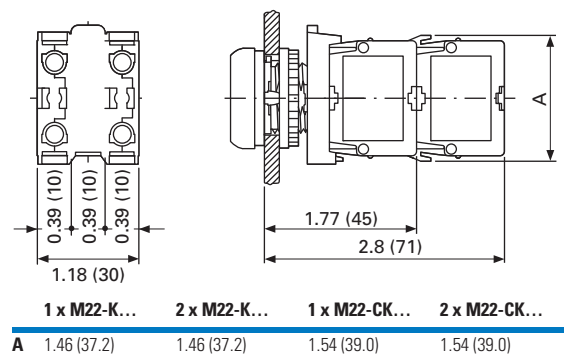
### Emergency-Stop Operators



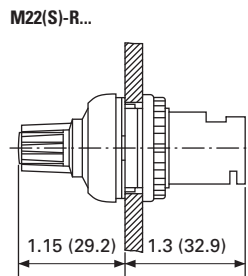
### Front Mounted Indicating Light



### Pushbutton, Complete Devices

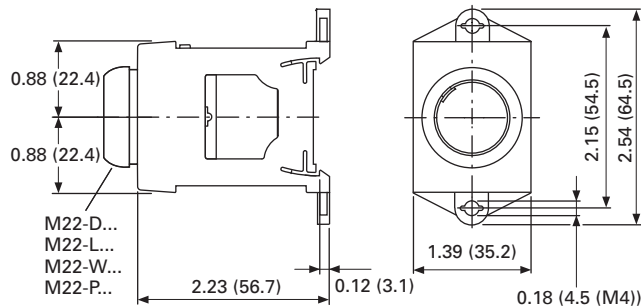


### Potentiometer

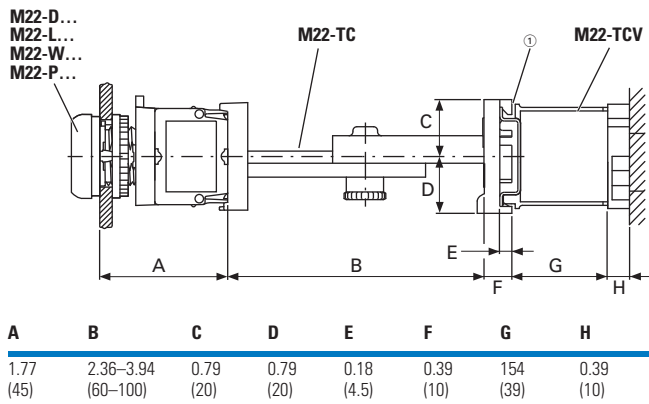


Approximate Dimensions in Inches (mm)

**DIN-Rail Mounting Adapter**



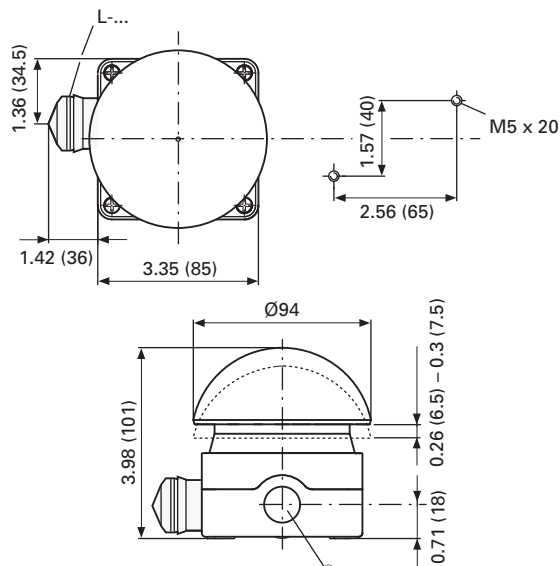
**Pushbuttons and Indicating Lights with M22-TC Telescopic Clip and M22-TVC Extension**



① Top-hat rail to IEC/EN 60715.

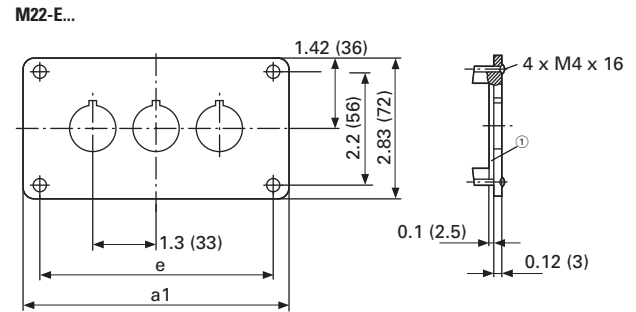
**Palm Switches**

FAK...



① 3 x M20 lateral, 1 x M16 in bottom.

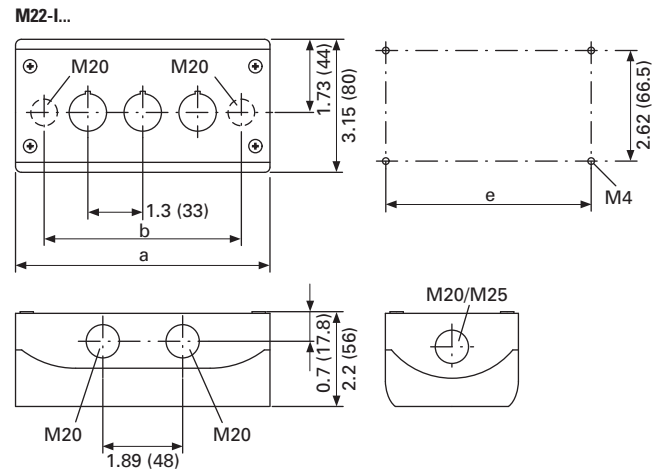
**Front Mounted Mounting Plate**



Catalog Number	a1	e
M22-E(Y) ①	2.83 (72)	2.21 (56)
M22-E2	4.13 (105)	3.50 (89)
M22-E3	5.43 (138)	4.80 (122)

Catalog Number	a1	e
M22-E4	6.73 (171)	6.10 (155)
M22-E5	8.03 (204)	7.40 (188)
M22-E6	9.33 (237)	8.70 (221)

**Base Mounted Surface Mounting Enclosure**



Catalog Number	Mounting Locations	a	b	e	Cable Entries
M22-I(Y)1	1	2.83 (72.0)	1.68 (42.6)	2.30 (58.5)	2 x M16 3 x M20 2 x M25
M22-I2	2	4.72 (120.0)	3.37 (85.6)	4.19 (106.5)	2 x M20 3 x M20 2 x M25
M22-I3	3	6.02 (153.0)	4.67 (118.6)	5.49 (139.5)	2 x M20 2 x M25 4 x M20
M22-I4	4	7.32 (186.0)	5.97 (151.6)	6.79 (172.5)	2 x M20 2 x M25 4 x M20
M22-I6	6	9.92 (252.0)	8.57 (217.6)	9.39 (238.5)	2 x M20 2 x M25 4 x M20

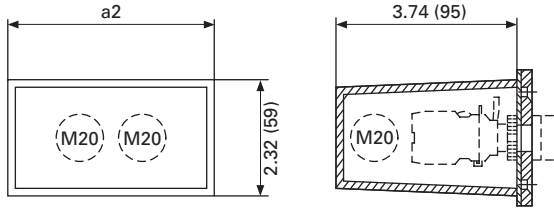
# 47.4 Pushbuttons and Indicating Lights

## M22 Modular Pushbuttons

Approximate Dimensions in Inches (mm)

### Covers

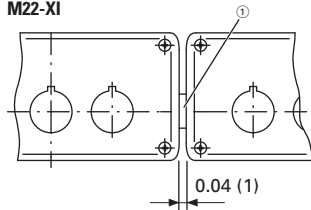
M22-H...



Catalog Number	a2	Cable Entry	Style
M22-H1	1.65 (42)	3 x M20	One-piece
M22-H2	2.95 (75)	4 x M20	
M22-H3	4.25 (108)	4 x M20	
M22-H4	5.55 (141)	4 x M20	Split
M22-H5	6.85 (174)	5 x M20	
M22-HE6	8.15 (207)	6 x M20	

### Connecting Screw

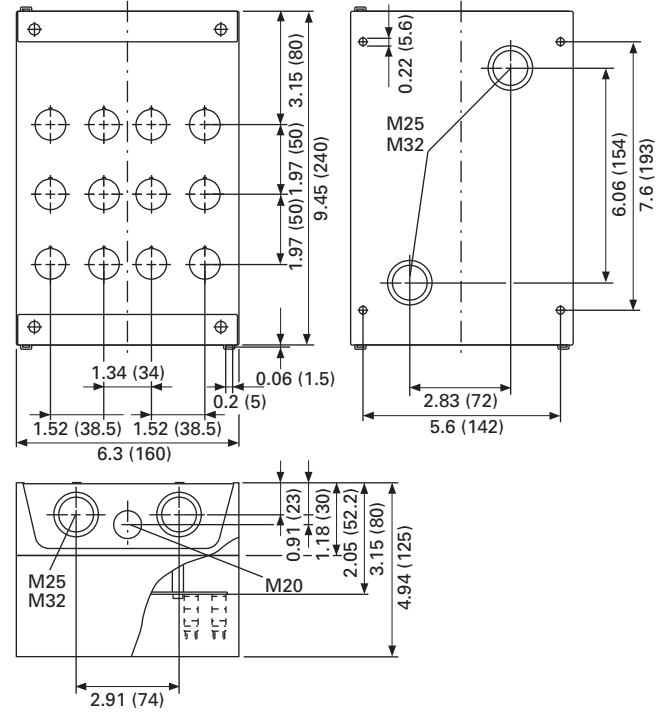
M22-XI



① Gasket.

### Surface Mounting Enclosure for 12 Mounting Positions

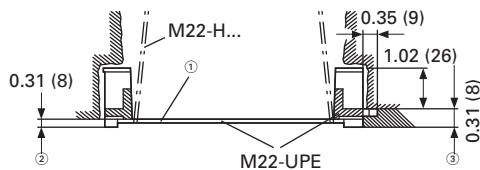
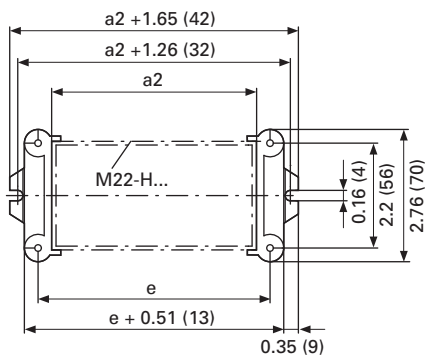
M22-I12



## 47

### Shroud with Plaster Keys

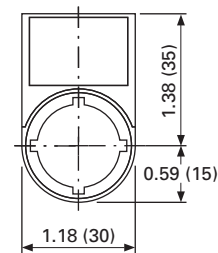
M22-UPE



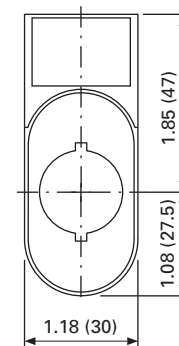
- ① Box for closing off when plastering.
- ② Plaster thickness less than 8 mm.
- ③ Plaster thickness more than 8 mm

### Legend Plates

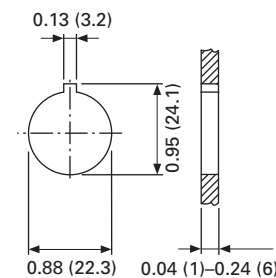
M22S-ST...



M22S-STDD-X

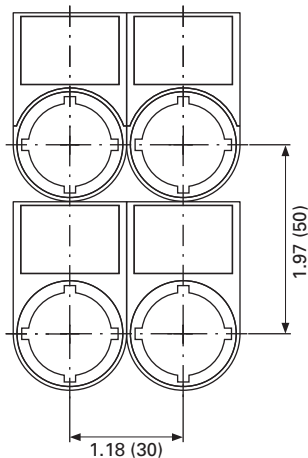


### Mounting Hole with Lug Slot

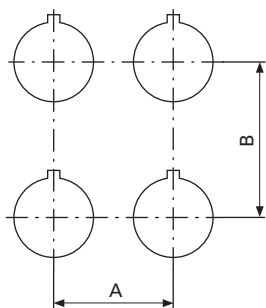


Approximate Dimensions in Inches (mm)

**Grid Dimension to IEC/EN 60947**

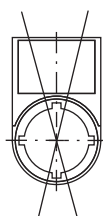


**Grid Dimension for Various Combinations**



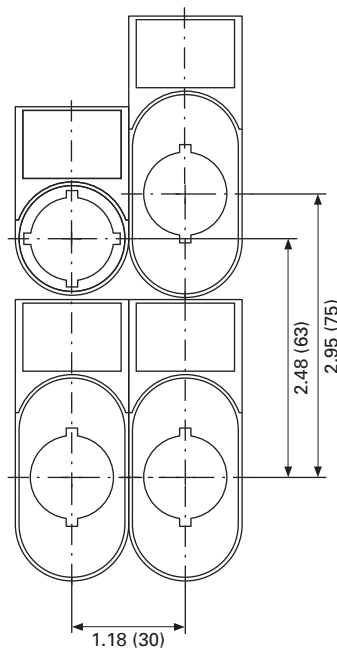
**Pushbutton Diaphragm**

Pushbutton diaphragm cannot be combined with label mount.

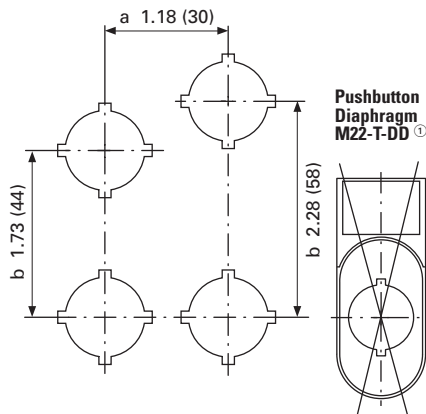


Catalog Number	A ≥	B ≥
<b>M22(S)-...</b> (IEC/EN 60947)	1.18 (30.0)	1.97 (50.0)
<b>RMQ-Titan min.</b>	1.18 (30.0)	1.58 (40.0)
<b>M22-D... + M22-T-D</b>	1.30 (33.0)	1.58 (40.0)
<b>M22-D(R)P...</b>	1.50 (38.0)	1.58 (40.0)
<b>M22-PV...</b>	1.50 (38.0)	1.58 (40.0)
<b>M22-PV(L) + M22-PL-PV</b>	1.89 (48.0)	2.20 (56.0)
<b>M22-PV(L)(S...) + M22-D...</b>	1.30 (33.0)	1.58 (40.0)
<b>M22-DDL...</b>	1.18 (30.0)	2.17 (55.0)
<b>M22-DDL... + M22-T-DD</b>	1.30 (33.0)	2.28 (58.0)
<b>M22-ST...</b>	1.18 (30.0)	1.97 (50.0)
<b>M22-STDD...</b>	1.18 (30.0)	2.95 (75.0)
<b>M22-CK...</b>	1.18 (30.0)	1.77 (45.0)
<b>M22-CLED...</b>	1.18 (30.0)	1.77 (45.0)
<b>M22-XAK...</b>	3.54 (90.0)	3.54 (90.0)
<b>M22-XZK...</b>	1.30 (33.0)	2.04 (52.0)
<b>M22-XBK...</b>	2.36 (60.0)	2.36 (60.0)
<b>M22-XYK...</b>	1.97 (50.0)	1.97 (50.0)
<b>M22-D4</b>	2.17 (55.0)	2.17 (55.0)
<b>M22-WR...4</b>	1.97 (50.0)	1.97 (50.0)
<b>M22-W...J4</b>	1.97 (50.0)	1.97 (50.0)

**Grid Dimension for M22-DD...**



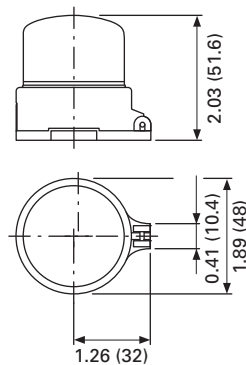
**Grid Dimension for M22-DDL...**



① Pushbutton diaphragm cannot be combined with label mount.

**Emergency Stop Sealing Cover**

**M22-PL-PV**



# 47.4

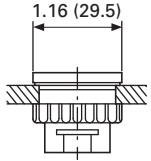
## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

Approximate Dimensions in Inches (mm)

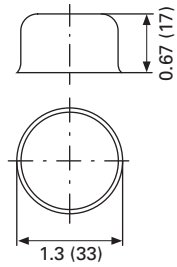
#### Blanking Plugs

M22...B-...

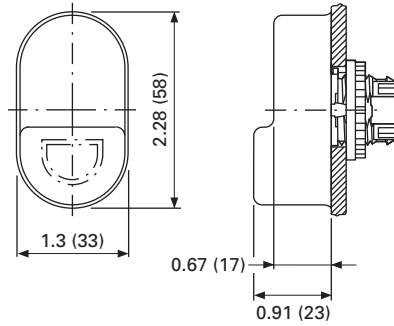


#### Pushbutton Diaphragm

M22-T-D

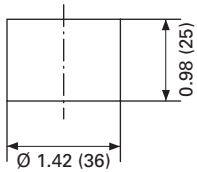


M22-T-D

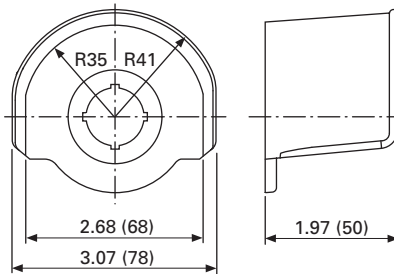


#### Guard Ring

M22-XGWK

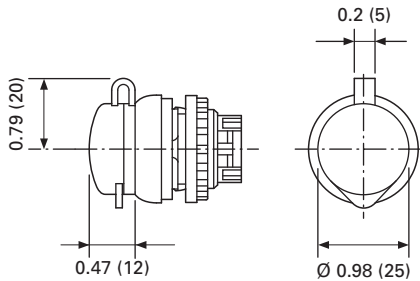


M22-XGPV



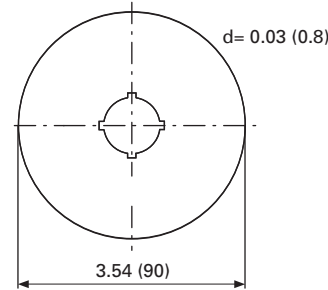
#### Key Cover

M22-XWS

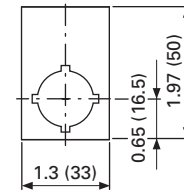


#### Emergency Stop Legend Plate

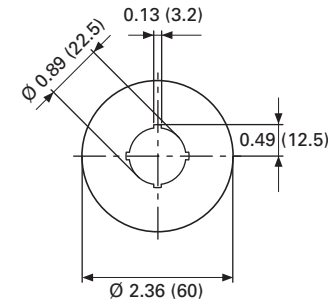
M22-XAK...



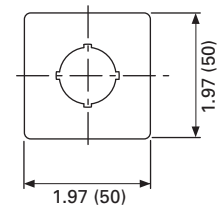
M22-X(Y)ZK...



M22-XBK-...

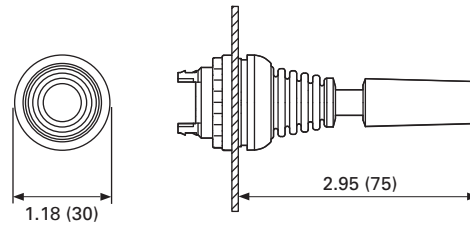


M22-XYK-...



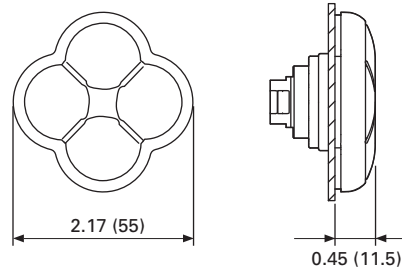
#### Joystick

M22...W...J...



#### Four-Way Pushbutton

M22...D...4-...



## Symbols Library

### Instructions for Ordering Laser Inscriptions

1. Identify part number to be inscribed.
2. Pick symbol from library and identify suffix code associated with the symbol.
3. Order part number already listed in the catalog with -ETCH suffix.
4. When placing an order by fax or Vistaline on the Web, reference order item number and indicate appropriate suffix code.

### Example

To order a green flush button plate with the inscription AUTO HAND:

Order Catalog Number: M22-XD-G-ETCH (see **Page 9**).

AUTO HAND inscription is found on **Page 89** in the symbols library, suffix code is X91.

In the order notes, reference item number and suffix X91.

Letter height 3 mm: max 3 lines, max. 12 characters per line.

Letter height 5 mm: max. 2 line, max. 8 characters per line.

**Note:** For symbols or text not found in the symbol library, please contact the Eaton Technical Resource Center at 1-877-ETN CARE (386-2273) or TRC@eaton.com.

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

**Letter Height Specifications:** ≤ 5 characters; letter height = 0.197 in. (5 mm). > 5 characters; letter height = 0.118 in. (3 mm).

#### Text—English

Inscription	Catalog Number Suffix
STOP	GB0
START	GB1
CLOSE	GB2
UP	GB3
DOWN	GB4
OFF	GB5
ON	GB6
RUN	GB7
FAULT	GB8
TEST	GB9
OFF ON	GB10
MAN. AUTO	GB11
MAN. 0 AUTO	GB12
RESET	GB14
FORWARD	GB15
REVERSE	GB16
RAISE	GB17

Inscription	Catalog Number Suffix
LOWER	GB18
LEFT	GB19
RIGHT	GB20
BRAKE	GB21
HIGH	GB22
LOW	GB23
FAST	GB24
SLOW	GB25
FASTER	GB26
SLOWER	GB27
OPEN	GB32
PROG	GB62
CALL	GB63
OCCUPIED	GB64
BYPASS 0 1	GB65
BYPASS UP	GB66
EMERGENCY-STOP	GB99

#### Text—German

Inscription	Catalog Number Suffix
Halt	D0
Start	D1
Zu	D2
Auf	D3
Ab	D4
Aus	D5
En	D6
Betrieb	D7
Störung	D8
Prüfung	D9
Aus Ein	D10
HAND AUTO	D11
HAND 0 AUTO	D12
Antrieb	D13
Entsperren	D14
Vorwärts	D15
Rückwärts	D16
Heben	D17
Senken	D18
Links	D19
Rechts	D20
Bremsen	D21
Hoch	D22
Niedrig	D23
Schnell	D24

Inscription	Catalog Number Suffix
Langsam	D25
HAND	D28
AUTO	D29
Einrichten	D30
Tippen	D31
Öffnen	D32
Steuerspannung	D33
Start Automatik	D34
Lampentest	D35
Phasenkontrolle	D36
Alarm	D37
Alarm - Reset	D38
Sammelstörung	D39
Quittieren	D40
Quittierung	D41
Steuerung Ein	D42
Steuerung Aus	D43
Störung quittieren	D44
FÜHLER int. ext.	D72
HEIZUNG 1 2	D73
AUS- BLASEN	D74
SOLLWERT int. ext.	D75
Not-Aus	D99
Not - Aus quittieren	D100

47

**Text Size: 3 mm**—Max. 8 characters in 1st line; 10 characters in 2nd line; 8 characters in 3rd line.



**Text Size: 5 mm**—Max. 5 characters per line.



**Letter Height Specifications:** ≤ 5 characters; letter height = 0.197 in. (5 mm). > 5 characters; letter height = 0.118 in. (3 mm).

**Text—French**

Inscription	Catalog Number Suffix
ARRÊT	F0
MARCHE	F1
FERMÉ	F2
MONTÉE	F3
DESCENTE	F4
ARRÊT	F5
MARCHE	F6
EN SERVICE	F7
PANNE	F8
ESSAI	F9
ARRÊT MARCHÉ	F10
MAN. AUTO	F11
MAN. 0 AUTO	F12
REARM.	F14
AVANT	F15
ARRIÈRE	F16
MONTER	F17
DESCENDRE	F18
GAUCHE	F19
DROITE	F20
DEFAULT	F67
SOUS TENSION	F68
ARRÊT D'URGENCE	F99

**Text—Swedish**

Inscription	Catalog Number Suffix
STOPP	S0
START	S1
STÄNG	S2
UPP	S3
NED	S4
FRÅN	S5
TILL	S6
KÖR	S7
FEL	S8
PROV	S9
FRAN TILL	S10
MAN. AUTO	S11
MAN. 0 AUTO	S12
ÅTERSTÄLLNING	S14
FRAM	S15
BACK	S16
ÖKA	S17
MINSKA	S18
VÄNSTER	S19
HÖGER	S20
BROMS	S21
HÖG	S22
LÅG	S23
ÖPPNA	S32
IN	S45
UT	S46
NÖDSTOPP	S99

**Symbols**

Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix
	X0		X13
	X1		X14
	X2		X15
	X3		X16
	X4		X17
	X5		X18
	X6		X19
	X7		X20
	X8		X21
	X9		X22
	X10		X23
	X11		X24
	X12		X25

**Text Size: 3 mm**—Max. 8 characters in 1st line; 10 characters in 2nd line; 8 characters in 3rd line.



**Text Size: 5 mm**—Max. 5 characters per line.











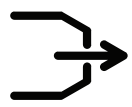




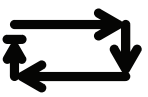


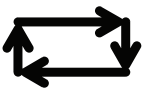































# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix
	X26		X40	3	X54		X68
	X27		X41	4	X55		X69
	X28		X42	5	X56		X70
	X29		X43	6	X57		X71
	X30		X44	7	X58		X72
	X31		X45	8	X59		X73
	X32		X46	9	X60		X74
	X33		X47		X61		X75
	X34		X48		X62		X76
	X35		X49		X63		X77
	X36		X50		X64		X78
	X37	0	X51		X65		X79
	X38	1	X52		X66		X80
	X39	2	X53		X67		X81

47

Text Size: 3 mm—Max. 8 characters in 1st line; 10 characters in 2nd line; 8 characters in 3rd line.



Text Size: 5 mm—Max. 5 characters per line.



Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix
	X82		X104		X118		X132
	X83		X105		X119		X133
	X88		X106		X120		X134
	X89		X107		X121		X135
	X90		X108		X122		X136
	X91		X109		X123		X137
	X92		X110		X124		X138
	X93		X111		X125		X139
	X94		X112		X126		X140
	X95		X113		X127		X141
	X100		X114		X128		X142
	X101		X115		X129		X143
	X102		X116		X130		X144
	X103		X117		X131		X145

Text Size: 3 mm—Max. 8 characters in 1st line; 10 characters in 2nd line; 8 characters in 3rd line.



Text Size: 5 mm—Max. 5 characters per line.



# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix
	X146		X160		X174		X188
	X147		X161		X175		X189
	X148		X162		X176		X190
	X149		X163		X177		X191
	X150		X164		X178		X192
	X151		X165		X179		X193
	X152		X166		X180		X194
	X153		X167		X181		X195
	X154		X168		X182		X196
	X155		X169		X183		X197
	X156		X170		X184		X198
	X157		X171		X185		X199
	X158		X172		X186		X200
	X159		X173		X187		X201

47

Text Size: 3 mm—Max. 8 characters in 1st line; 10 characters in 2nd line; 8 characters in 3rd line.



Text Size: 5 mm—Max. 5 characters per line.



Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix
	X202		X216		X230		X244
	X203		X217		X231		X245
L 1	X204		X218		X232		X246
L 2	X205		X219		X233		X247
L 3	X206		X220		X234		X248
↑ A	X207		X221		X235		X249
↓ A	X208	1	X222		X236	OPEN / CLOSE PROTECT DOOR	X250
↓ B	X209		X223		X237		X251
↑ B	X210	1 / 2	X224		X238	→ SET IN	X252
I	X211		X225	0  1	X239		X253
II	X212		X226	0	X240		X254
III	X213		X227	0	X241		X255
	X214		X228	0	X242		X256
B	X215		X229	0	X243		X257
				0			

Text Size: 3 mm—Max. 8 characters in 1st line; 10 characters in 2nd line; 8 characters in 3rd line.












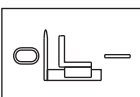













Text Size: 5 mm—Max. 5 characters per line.



# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix	Inscription	Catalog Number Suffix
	X258		X265	CHEM II	X272		X279
	X259		X266	CHEM III	X273		X280
	X260		X267		X274	OUT OF SERVICE	X281
	X261		X268		X275		X282
	X262		X269	CONTI → CUT	X276		X283
	X263		X270		X277		X284
	X264	CHEM I	X271		X278		X285



**Catalog Number Index**

FAK-IU . . . . .	65	M22-C1-M8H . . . . .	66	M22-DGL-X . . . . .	19, 23	M22-DL-W-K10-230W . . . . .	17
FAK-R . . . . .	65	M22-C1-M9H . . . . .	66	M22-DGL-Y . . . . .	18	M22-DL-W-K11-W . . . . .	17
FAK-R-KC11-I . . . . .	65	M22-C2-M1H . . . . .	66	M22-DG-B . . . . .	8	M22-DL-W-K11-230W . . . . .	17
FAK-R-V-KC01-IY . . . . .	65	M22-C2-M2V . . . . .	66	M22-DG-G . . . . .	8	M22-DL-W-K20-W . . . . .	17
FAK-R-V-KC02-IY . . . . .	65	M22-C2-M3V . . . . .	66	M22-DG-R . . . . .	8	M22-DL-W-K20-230W . . . . .	17
FAK-R-V-KC11-IY . . . . .	65	M22-C3-M1H . . . . .	66	M22-DG-S . . . . .	8	M22-DL-X . . . . .	19, 23
FAK-R-V-KC12-IY . . . . .	65	M22-C3-M2V . . . . .	66	M22-DG-W . . . . .	8	M22-DL-Y . . . . .	18
FAK-R-V-Y . . . . .	65	M22-C3-M3H . . . . .	66	M22-DG-X . . . . .	9, 13	M22-DP-G . . . . .	50
FAK-S . . . . .	65	M22-C3-M4V . . . . .	66	M22-DG-X-SRG . . . . .	8	M22-DP-G-X . . . . .	51
FAK-S-KC11-I . . . . .	65	M22-C3-M5V . . . . .	66	M22-DG-X-SWRGYB . . . . .	8	M22-DP-R . . . . .	50
FAK-Y . . . . .	65	M22-C3-M6V . . . . .	66	M22-DG-Y . . . . .	8	M22-DP-R-K01 . . . . .	50
FAK-Y-KC11-I . . . . .	65	M22-DDLF-GR . . . . .	56	M22-DH-B . . . . .	12	M22-DP-R-K02 . . . . .	50
M22-A . . . . .	68	M22-DDLF-GR-ETCH . . . . .	56	M22-DH-G . . . . .	12	M22-DP-R-K11 . . . . .	50
M22-ADC . . . . .	73	M22-DDLF-GR-X1-X0 . . . . .	56	M22-DH-R . . . . .	12	M22-DP-R-K12 . . . . .	50
M22-ADC4 . . . . .	73	M22-DDLF-WS . . . . .	56	M22-DH-R-GB0 . . . . .	12	M22-DP-R-X . . . . .	51
M22-AMC . . . . .	62	M22-DDLF-WS-ETCH . . . . .	56	M22-DH-R-K01 . . . . .	12	M22-DP-S . . . . .	50
M22-AMC-XAM . . . . .	62	M22-DDLF-WS-X1-X0 . . . . .	56	M22-DH-R-K02 . . . . .	12	M22-DP-S-X . . . . .	51
M22-AMC-XAMP . . . . .	62	M22-DDLM-GR . . . . .	56	M22-DH-R-K10 . . . . .	12	M22-DP-Y . . . . .	50
M22-ASI . . . . .	64	M22-DDLM-GR-ETCH . . . . .	56	M22-DH-R-K11 . . . . .	12	M22-DP-Y-X . . . . .	51
M22-ASI-C . . . . .	64	M22-DDLM-GR-X1-X0 . . . . .	56	M22-DH-R-K20 . . . . .	12	M22-DRH-B . . . . .	14
M22-ASI-CS . . . . .	64	M22-DDLM-WS . . . . .	56	M22-DH-R-X0 . . . . .	12	M22-DRH-G . . . . .	14
M22-ASI-S . . . . .	64	M22-DDLM-WS-ETCH . . . . .	56	M22-DH-S . . . . .	12	M22-DRH-R . . . . .	14
M22-A4 . . . . .	68	M22-DDLM-WS-X1-X0 . . . . .	56	M22-DH-W . . . . .	12	M22-DRH-S . . . . .	14
M22-B . . . . .	72	M22-DDL-GR . . . . .	55	M22-DH-X-SRG . . . . .	12	M22-DRH-W . . . . .	14
M22-CKC01 . . . . .	68	M22-DDL-GR-ETCH . . . . .	55	M22-DH-X-SWRGYB . . . . .	12	M22-DRH-X-SRG . . . . .	14
M22-CKC10 . . . . .	68	M22-DDL-GR-GB1-GB0 . . . . .	55	M22-DH-Y . . . . .	12	M22-DRH-X-SWRGYB . . . . .	14
M22-CK01 . . . . .	68	M22-DDL-GR-X1-X0 . . . . .	55	M22-DI4-S . . . . .	59	M22-DRH-Y . . . . .	14
M22-CK01D . . . . .	68	M22-DDL-S . . . . .	55	M22-DI4-S-ETCH . . . . .	59	M22-DRLH-B . . . . .	24
M22-CK02 . . . . .	68	M22-DDL-S-ETCH . . . . .	55	M22-DI4-S-X7 . . . . .	59	M22-DRLH-G . . . . .	24
M22-CK10 . . . . .	68	M22-DDL-S-X4-X5 . . . . .	55	M22-DLH-B . . . . .	22	M22-DRLH-R . . . . .	24
M22-CK11 . . . . .	68	M22-DDL-S-X7-X7 . . . . .	55	M22-DLH-G . . . . .	22	M22-DRLH-W . . . . .	24
M22-CK20 . . . . .	68	M22-DDL-WS . . . . .	55	M22-DLH-G-K20-G . . . . .	22	M22-DRLH-Y . . . . .	24
M22-CLEDC230-B . . . . .	69	M22-DDL-WS-ETCH . . . . .	55	M22-DLH-G-K20-230G . . . . .	22	M22-DRL-B . . . . .	20
M22-CLEDC230-G . . . . .	69	M22-DDL-WS-GB1-GB0 . . . . .	55	M22-DLH-R . . . . .	22	M22-DRL-G . . . . .	20
M22-CLEDC230-R . . . . .	69	M22-DDL-WS-X1-X0 . . . . .	55	M22-DLH-R-K11-R . . . . .	22	M22-DRL-R . . . . .	20
M22-CLEDC230-W . . . . .	69	M22-DGH-B . . . . .	12	M22-DLH-R-K11-230R . . . . .	22	M22-DRL-W . . . . .	20
M22-CLEDC-B . . . . .	69	M22-DGH-G . . . . .	12	M22-DLH-W . . . . .	22	M22-DRL-W-K01-W . . . . .	20
M22-CLEDC-G . . . . .	69	M22-DGH-R . . . . .	12	M22-DLH-W-K20-W . . . . .	22	M22-DRL-W-K01-230W . . . . .	20
M22-CLEDC-R . . . . .	69	M22-DGH-R-GB0 . . . . .	12	M22-DLH-W-K20-230W . . . . .	22	M22-DRL-W-K02-W . . . . .	20
M22-CLEDC-W . . . . .	69	M22-DGH-R-K01 . . . . .	12	M22-DLH-Y . . . . .	22	M22-DRL-W-K02-230W . . . . .	20
M22-CLED230-B . . . . .	69	M22-DGH-R-K02 . . . . .	12	M22-DL-B . . . . .	18	M22-DRL-W-K10-W . . . . .	20
M22-CLED230-G . . . . .	69	M22-DGH-R-K10 . . . . .	12	M22-DL-G . . . . .	18	M22-DRL-W-K10-230W . . . . .	20
M22-CLED230-R . . . . .	69	M22-DGH-R-K11 . . . . .	12	M22-DL-G-K10-G . . . . .	17	M22-DRL-W-K11-W . . . . .	20
M22-CLED230-W . . . . .	69	M22-DGH-R-K20 . . . . .	12	M22-DL-G-K10-230G . . . . .	17	M22-DRL-W-K11-230W . . . . .	20
M22-CLED-B . . . . .	69	M22-DGH-R-X0 . . . . .	12	M22-DL-G-K11-G . . . . .	17	M22-DRL-W-K20-W . . . . .	20
M22-CLED-G . . . . .	69	M22-DGH-S . . . . .	12	M22-DL-G-K11-230G . . . . .	17	M22-DRL-W-K20-230W . . . . .	20
M22-CLED-R . . . . .	69	M22-DGH-W . . . . .	12	M22-DL-G-K20-G . . . . .	17	M22-DRL-X . . . . .	21, 25
M22-CLED-W . . . . .	69	M22-DGH-Y . . . . .	12	M22-DL-G-K20-230G . . . . .	17	M22-DRL-Y . . . . .	20
M22-C1-M1H . . . . .	66	M22-DGLH-B . . . . .	22	M22-DL-R . . . . .	18	M22-DRP-G . . . . .	52
M22-C1-M10H . . . . .	66	M22-DGLH-G . . . . .	22	M22-DL-R-K01-R . . . . .	17	M22-DRP-G-X . . . . .	53
M22-C1-M11H . . . . .	66	M22-DGLH-R . . . . .	22	M22-DL-R-K01-230R . . . . .	17	M22-DRP-R . . . . .	52
M22-C1-M2H . . . . .	66	M22-DGLH-W . . . . .	22	M22-DL-R-K02-R . . . . .	17	M22-DRP-R-K01 . . . . .	52
M22-C1-M3H . . . . .	66	M22-DGLH-Y . . . . .	22	M22-DL-R-K02-230R . . . . .	17	M22-DRP-R-K02 . . . . .	52
M22-C1-M4H . . . . .	66	M22-DGL-B . . . . .	18	M22-DL-R-K11-R . . . . .	17	M22-DRP-R-K11 . . . . .	52
M22-C1-M5H . . . . .	66	M22-DGL-G . . . . .	18	M22-DL-R-K11-230R . . . . .	17	M22-DRP-R-K12 . . . . .	52
M22-C1-M6H . . . . .	66	M22-DGL-R . . . . .	18	M22-DL-W . . . . .	18	M22-DRP-R-X . . . . .	53
M22-C1-M7H . . . . .	66	M22-DGL-W . . . . .	18	M22-DL-W-K10-W . . . . .	17	M22-DRP-S . . . . .	52

# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

M22-DRP-S-X	53	M22-E1	72	M22-L-B	26	M22-R4K7-RH	62
M22-DRP-Y	52	M22-E2	72	M22-L-B-B	26	M22-R47K	62
M22-DRP-Y-X	53	M22-E3	72	M22-L-B-230B	26	M22-R47K-RH	62
M22-DR-B	10	M22-E4	72	M22-L-G	26	M22-R470K	62
M22-DR-G	10	M22-E5	72	M22-L-G-G	26	M22-R470K-RH	62
M22-DR-R	10	M22-E6	72	M22-L-G-230G	26	M22-TA	73
M22-DR-S	10	M22-GR	73	M22-L-R	26	M22-TC	73
M22-DR-W	10	M22-H1	72	M22-L-R-R	26	M22-TCV	73
M22-DR-X	11, 15	M22-H2	72	M22-L-R-230R	26	M22-T-D	73
M22-DR-X-SRG	10	M22-H3	72	M22-L-W	26	M22-T-DD	73
M22-DR-X-SWRGYB	10	M22-H4	72	M22-L-W-W	26	M22-UPE	72
M22-DR-Y	10	M22-H5	72	M22-L-W-230W	26	M22-USB-SA	63
M22-DZ-B	63	M22-H6	72	M22-L-X	27	M22-W	36
M22-DZ-B-GB14	63	M22-IVS	73	M22-L-Y	26	M22-WJ2H	60
M22-DZ-B-X6	63	M22-IY1-PG	72	M22-L-Y-W	26	M22-WJ2H-2P	60
M22-DZ-R	63	M22-I1-PG	72	M22-L-Y-230W	26	M22-WJ2V	60
M22-DZ-R-GB0	63	M22-I2-PG	72	M22-MS	73	M22-WJ2V-2P	60
M22-DZ-R-X0	63	M22-I3-PG	72	M22-PL-PV	72	M22-WJ4	60
M22-DZ-X	63	M22-I4-PG	72	M22-PV	29	M22-WJ4-2P	60
M22-D4-S	59	M22-I6-PG	72	M22-PVL	31	M22-WK	35
M22-D4-S-ETCH	59	M22-KC01	68	M22-PVLT	31	M22-WKV	35
M22-D4-S-X7	59	M22-KC01-B100	68	M22-PVLT-K01-R	30	M22-WKV-K10	34
M22-D-B	8	M22-KC01-B25	68	M22-PVLT-K01-230R	30	M22-WKV-K11	34
M22-D-G	8	M22-KC10	68	M22-PVLT-K02-R	30	M22-WKV-K22	34
M22-D-G-GB1	8	M22-KC10-B100	68	M22-PVLT-K02-230R	30	M22-WK3	35
M22-D-G-K01	7	M22-KC10-B25	68	M22-PVLT-K12-R	30	M22-WLK3-B	40
M22-D-G-K02	7	M22-KT1	73	M22-PVLT-K12-230R	30	M22-WLK3-G	40
M22-D-G-K10	7	M22-K01	68	M22-PVL-K01-R	30	M22-WLK3-R	40
M22-D-G-K11	7	M22-K01D	68	M22-PVL-K01-230R	30	M22-WLK3-W	40
M22-D-G-K20	7	M22-K01-B100	68	M22-PVL-K02-R	30	M22-WLK3-Y	40
M22-D-G-X1	8	M22-K01-B25	68	M22-PVL-K02-230R	30	M22-WR	36
M22-D-R	8	M22-K10	68	M22-PVL-K12-R	30	M22-WR2H	60
M22-D-R-GB0	8	M22-K10P	68	M22-PVL-K12-230R	30	M22-WR2V	60
M22-D-R-K01	7	M22-K10-B100	68	M22-PVS	29	M22-WR4	60
M22-D-R-K02	7	M22-K10-B25	68	M22-PVS-K01	28	M22-WRK	35
M22-D-R-K10	7	M22-LEDC230H-B	69	M22-PVS-K02	28	M22-WRK3	35
M22-D-R-K11	7	M22-LEDC230H-G	69	M22-PVS-K12	28	M22-WRK3-K20	34
M22-D-R-K20	7	M22-LEDC230H-R	69	M22-PVS-MS2	29	M22-WRK3-K22	34
M22-D-R-X0	8	M22-LEDC230H-W	69	M22-PVS-MS3	29	M22-WRK3-1	35
M22-D-S	8	M22-LEDC230-B	69	M22-PVS-MS4	29	M22-WRK3-2	35
M22-D-S-K01	7	M22-LEDC230-G	69	M22-PVS-MS5	29	M22-WRK4	35
M22-D-S-K02	7	M22-LEDC230-R	69	M22-PVS-MS6	29	M22-WRK-K10	34
M22-D-S-K10	7	M22-LEDC230-W	69	M22-PVS-MS7	29	M22-WRK-K11	34
M22-D-S-K11	7	M22-LEDC-B	69	M22-PVS-MS8	29	M22-WRK-K22	34
M22-D-S-K20	7	M22-LEDC-G	69	M22-PVT	29	M22-WRLK3-B	40
M22-D-W	8	M22-LEDC-R	69	M22-PVT-K01	28	M22-WRLK3-G	40
M22-D-X	9, 13	M22-LEDC-W	69	M22-PVT-K02	28	M22-WRLK3-R	40
M22-D-X-SRG	8	M22-LED230H-B	69	M22-PVT-K12	28	M22-WRLK3-W	40
M22-D-X-SWRGYB	8	M22-LED230H-G	69	M22-PV-K01	28	M22-WRLK3-Y	40
M22-D-Y	8	M22-LED230H-R	69	M22-PV-K02	28	M22-WRLK3-1-B	40
M22-ES-MS1	29, 47	M22-LED230H-W	69	M22-PV-K12	28	M22-WRLK3-1-G	40
M22-ES-MS2	29, 47	M22-LED230-B	69	M22-RJ45-SA	63	M22-WRLK3-1-R	40
M22-ES-MS3	29, 47	M22-LED230-G	69	M22-R1K	62	M22-WRLK3-1-W	40
M22-ES-MS4	29, 47	M22-LED230-R	69	M22-R1K-RH	62	M22-WRLK3-1-Y	40
M22-ES-MS5	29, 47	M22-LED230-W	69	M22-R10K	62	M22-WRLK3-2-B	40
M22-ES-MS6	29, 47	M22-LED-B	69	M22-R10K-RH	62	M22-WRLK3-2-G	40
M22-ES-MS7	29, 47	M22-LED-G	69	M22-R100K	62	M22-WRLK3-2-R	40
M22-ES-MS8	29, 47	M22-LED-R	69	M22-R100K-RH	62	M22-WRLK3-2-W	40
M22-EY1	72	M22-LED-W	69	M22-R4K7	62	M22-WRLK3-2-Y	40

M22-WRS . . . . .	43	M22-WRS3-MS8-A2 . . . . .	44	M22-XCK-ETCH . . . . .	71	M22-XDLH-G-ETCH . . . . .	68
M22-WRS3 . . . . .	44	M22-WRS3-MS8-A3 . . . . .	44	M22-XDH-B . . . . .	67	M22-XDLH-G-GB1 . . . . .	68
M22-WRS3-A1 . . . . .	44	M22-WRS3-MS8-A4 . . . . .	45	M22-XDH-B-ETCH . . . . .	67	M22-XDLH-G-GB6 . . . . .	68
M22-WRS3-A2 . . . . .	44	M22-WRS3-MS8-A5 . . . . .	45	M22-XDH-B-GB14 . . . . .	67	M22-XDLH-G-X1 . . . . .	68
M22-WRS3-A3 . . . . .	44	M22-WRS3-MS8-A6 . . . . .	44	M22-XDH-B-X6 . . . . .	67	M22-XDLH-R . . . . .	68
M22-WRS3-A4 . . . . .	45	M22-WRS3-MS8-A7 . . . . .	44	M22-XDH-G . . . . .	67	M22-XDLH-R-ETCH . . . . .	68
M22-WRS3-A5 . . . . .	45	M22-WRS-A1 . . . . .	43	M22-XDH-G-ETCH . . . . .	67	M22-XDLH-R-GB0 . . . . .	68
M22-WRS3-A6 . . . . .	44	M22-WRS-MS2 . . . . .	43	M22-XDH-G-GB1 . . . . .	67	M22-XDLH-R-GB5 . . . . .	68
M22-WRS3-A7 . . . . .	44	M22-WRS-MS2-A1 . . . . .	43	M22-XDH-G-GB6 . . . . .	67	M22-XDLH-R-X0 . . . . .	68
M22-WRS3-MS2 . . . . .	44	M22-WRS-MS3 . . . . .	43	M22-XDH-G-X1 . . . . .	67	M22-XDLH-W . . . . .	68
M22-WRS3-MS2-A1 . . . . .	44	M22-WRS-MS3-A1 . . . . .	43	M22-XDH-G-X2 . . . . .	67	M22-XDLH-W-ETCH . . . . .	68
M22-WRS3-MS2-A2 . . . . .	44	M22-WRS-MS4 . . . . .	43	M22-XDH-R . . . . .	67	M22-XDLH-Y . . . . .	68
M22-WRS3-MS2-A3 . . . . .	44	M22-WRS-MS4-A1 . . . . .	43	M22-XDH-R-ETCH . . . . .	67	M22-XDLH-Y-ETCH . . . . .	68
M22-WRS3-MS2-A4 . . . . .	45	M22-WRS-MS5 . . . . .	43	M22-XDH-R-GB0 . . . . .	67	M22-XDL-B . . . . .	68
M22-WRS3-MS2-A5 . . . . .	45	M22-WRS-MS5-A1 . . . . .	43	M22-XDH-R-GB5 . . . . .	67	M22-XDL-B-ETCH . . . . .	68
M22-WRS3-MS2-A6 . . . . .	44	M22-WRS-MS6 . . . . .	43	M22-XDH-R-X0 . . . . .	67	M22-XDL-B-GB14 . . . . .	68
M22-WRS3-MS2-A7 . . . . .	44	M22-WRS-MS6-A1 . . . . .	43	M22-XDH-S . . . . .	67	M22-XDL-B-X6 . . . . .	68
M22-WRS3-MS3 . . . . .	44	M22-WRS-MS7 . . . . .	43	M22-XDH-SRG . . . . .	67	M22-XDL-G . . . . .	68
M22-WRS3-MS3-A1 . . . . .	44	M22-WRS-MS7-A1 . . . . .	43	M22-XDH-SWRGYB . . . . .	67	M22-XDL-G-ETCH . . . . .	68
M22-WRS3-MS3-A2 . . . . .	44	M22-WRS-MS8 . . . . .	43	M22-XDH-S-ETCH . . . . .	67	M22-XDL-G-GB1 . . . . .	68
M22-WRS3-MS3-A3 . . . . .	44	M22-WRS-MS8-A1 . . . . .	43	M22-XDH-S-GB0 . . . . .	67	M22-XDL-G-GB6 . . . . .	68
M22-WRS3-MS3-A4 . . . . .	45	M22-WR3 . . . . .	36	M22-XDH-S-GB1 . . . . .	67	M22-XDL-G-X1 . . . . .	68
M22-WRS3-MS3-A5 . . . . .	45	M22-WR3-ETCH . . . . .	36	M22-XDH-S-GB15 . . . . .	67	M22-XDL-R . . . . .	68
M22-WRS3-MS3-A6 . . . . .	44	M22-WR3-X94 . . . . .	36	M22-XDH-S-GB16 . . . . .	67	M22-XDL-R-ETCH . . . . .	68
M22-WRS3-MS3-A7 . . . . .	44	M22-WR4 . . . . .	36	M22-XDH-S-GB17 . . . . .	67	M22-XDL-R-GB0 . . . . .	68
M22-WRS3-MS4 . . . . .	44	M22-WR-ETCH . . . . .	36	M22-XDH-S-GB18 . . . . .	67	M22-XDL-R-GB5 . . . . .	68
M22-WRS3-MS4-A1 . . . . .	44	M22-WR-X91 . . . . .	36	M22-XDH-S-GB2 . . . . .	67	M22-XDL-R-X0 . . . . .	68
M22-WRS3-MS4-A2 . . . . .	44	M22-WR-X92 . . . . .	36	M22-XDH-S-GB3 . . . . .	67	M22-XDL-W . . . . .	68
M22-WRS3-MS4-A3 . . . . .	44	M22-WS . . . . .	42	M22-XDH-S-GB4 . . . . .	67	M22-XDL-W-ETCH . . . . .	68
M22-WRS3-MS4-A4 . . . . .	45	M22-WS3 . . . . .	43	M22-XDH-S-GB5 . . . . .	67	M22-XDL-Y . . . . .	68
M22-WRS3-MS4-A5 . . . . .	45	M22-WS3-MS2 . . . . .	43	M22-XDH-S-GB6 . . . . .	67	M22-XDL-Y-ETCH . . . . .	68
M22-WRS3-MS4-A6 . . . . .	44	M22-WS3-MS3 . . . . .	43	M22-XDH-S-GB9 . . . . .	67	M22-XDP-G . . . . .	67
M22-WRS3-MS4-A7 . . . . .	44	M22-WS3-MS4 . . . . .	43	M22-XDH-S-X0 . . . . .	67	M22-XDP-G-ETCH . . . . .	67
M22-WRS3-MS5 . . . . .	44	M22-WS3-MS5 . . . . .	43	M22-XDH-S-X1 . . . . .	67	M22-XDP-G-GB1 . . . . .	67
M22-WRS3-MS5-A1 . . . . .	44	M22-WS3-MS6 . . . . .	43	M22-XDH-S-X10 . . . . .	67	M22-XDP-G-GB6 . . . . .	67
M22-WRS3-MS5-A2 . . . . .	44	M22-WS3-MS7 . . . . .	43	M22-XDH-S-X11 . . . . .	67	M22-XDP-G-X0 . . . . .	67
M22-WRS3-MS5-A3 . . . . .	44	M22-WS3-MS8 . . . . .	43	M22-XDH-S-X12 . . . . .	67	M22-XDP-G-X1 . . . . .	67
M22-WRS3-MS5-A4 . . . . .	45	M22-WS-MS2 . . . . .	42	M22-XDH-S-X13 . . . . .	67	M22-XDP-R . . . . .	67
M22-WRS3-MS5-A5 . . . . .	45	M22-WS-MS3 . . . . .	42	M22-XDH-S-X14 . . . . .	67	M22-XDP-R-ETCH . . . . .	67
M22-WRS3-MS5-A6 . . . . .	44	M22-WS-MS4 . . . . .	42	M22-XDH-S-X15 . . . . .	67	M22-XDP-R-GB0 . . . . .	67
M22-WRS3-MS5-A7 . . . . .	44	M22-WS-MS5 . . . . .	42	M22-XDH-S-X16 . . . . .	67	M22-XDP-R-GB5 . . . . .	67
M22-WRS3-MS6 . . . . .	44	M22-WS-MS6 . . . . .	42	M22-XDH-S-X17 . . . . .	67	M22-XDP-R-X0 . . . . .	67
M22-WRS3-MS6-A1 . . . . .	44	M22-WS-MS7 . . . . .	42	M22-XDH-S-X2 . . . . .	67	M22-XDP-S . . . . .	67
M22-WRS3-MS6-A2 . . . . .	44	M22-WS-MS8 . . . . .	42	M22-XDH-S-X4 . . . . .	67	M22-XDP-S-ETCH . . . . .	67
M22-WRS3-MS6-A3 . . . . .	44	M22-W3 . . . . .	36	M22-XDH-S-X5 . . . . .	67	M22-XDP-S-GB0 . . . . .	67
M22-WRS3-MS6-A4 . . . . .	45	M22-XAK . . . . .	71	M22-XDH-S-X7 . . . . .	67	M22-XDP-S-GB1 . . . . .	67
M22-WRS3-MS6-A5 . . . . .	45	M22-XAK1 . . . . .	71	M22-XDH-S-X8 . . . . .	67	M22-XDP-S-GB15 . . . . .	67
M22-WRS3-MS6-A6 . . . . .	44	M22-XAK5 . . . . .	71	M22-XDH-S-X9 . . . . .	67	M22-XDP-S-GB16 . . . . .	67
M22-WRS3-MS6-A7 . . . . .	44	M22-XAK-ETCH . . . . .	71	M22-XDH-W . . . . .	67	M22-XDP-S-GB3 . . . . .	67
M22-WRS3-MS7 . . . . .	44	M22-XAM . . . . .	62	M22-XDH-W-ETCH . . . . .	67	M22-XDP-S-GB4 . . . . .	67
M22-WRS3-MS7-A1 . . . . .	44	M22-XAMP . . . . .	62	M22-XDH-W-GB1 . . . . .	67	M22-XDP-S-GB5 . . . . .	67
M22-WRS3-MS7-A2 . . . . .	44	M22-XBK . . . . .	71	M22-XDH-W-X1 . . . . .	67	M22-XDP-S-GB6 . . . . .	67
M22-WRS3-MS7-A3 . . . . .	44	M22-XBK1 . . . . .	71	M22-XDH-Y . . . . .	67	M22-XDP-S-X0 . . . . .	67
M22-WRS3-MS7-A4 . . . . .	45	M22-XBK5 . . . . .	71	M22-XDH-Y-ETCH . . . . .	67	M22-XDP-S-X1 . . . . .	67
M22-WRS3-MS7-A5 . . . . .	45	M22-XBK-ETCH . . . . .	71	M22-XDLH-B . . . . .	68	M22-XDP-S-X4 . . . . .	67
M22-WRS3-MS7-A6 . . . . .	44	M22-XCK . . . . .	71	M22-XDLH-B-ETCH . . . . .	68	M22-XDP-S-X5 . . . . .	67
M22-WRS3-MS7-A7 . . . . .	44	M22-XCK1 . . . . .	71	M22-XDLH-B-GB14 . . . . .	68	M22-XDP-S-X7 . . . . .	67
M22-WRS3-MS8 . . . . .	44	M22-XCK2 . . . . .	71	M22-XDLH-B-X6 . . . . .	68	M22-XDP-W . . . . .	67
M22-WRS3-MS8-A1 . . . . .	44	M22-XCK3 . . . . .	71	M22-XDLH-G . . . . .	68	M22-XDP-W-ETCH . . . . .	67



# 47.4

## Pushbuttons and Indicating Lights

### M22 Modular Pushbuttons

M22-XDP-Y . . . . .	67	M22-XKDP . . . . .	73	M22S-DH-R-GB0 . . . . .	12	M22S-DP-S-X . . . . .	51
M22-XDP-Y-ETCH . . . . .	67	M22-XLED220 . . . . .	69	M22S-DH-R-K01 . . . . .	12	M22S-DP-Y . . . . .	50
M22-XD-B . . . . .	63, 67	M22-XLED230-T . . . . .	69	M22S-DH-R-K02 . . . . .	12	M22S-DP-Y-X . . . . .	51
M22-XD-B-ETCH . . . . .	67	M22-XLED60 . . . . .	69	M22S-DH-R-K10 . . . . .	12	M22S-DRH-B . . . . .	14
M22-XD-B-GB14 . . . . .	63, 67	M22-XLED-T . . . . .	69	M22S-DH-R-K11 . . . . .	12	M22S-DRH-G . . . . .	14
M22-XD-B-X6 . . . . .	63, 67	M22-XST . . . . .	70	M22S-DH-R-K20 . . . . .	12	M22S-DRH-R . . . . .	14
M22-XD-G . . . . .	67	M22-XST-D11 . . . . .	70	M22S-DH-R-X0 . . . . .	12	M22S-DRH-S . . . . .	14
M22-XD-G-ETCH . . . . .	67	M22-XST-D12 . . . . .	70	M22S-DH-S . . . . .	12	M22S-DRH-W . . . . .	14
M22-XD-G-GB1 . . . . .	67	M22-XST-ETCH . . . . .	70	M22S-DH-W . . . . .	12	M22S-DRH-X-SRG . . . . .	14
M22-XD-G-GB6 . . . . .	67	M22-XST-GB0 . . . . .	70	M22S-DH-X-SRG . . . . .	12	M22S-DRH-X-SWRGYB . . . . .	14
M22-XD-G-X1 . . . . .	67	M22-XST-GB1 . . . . .	70	M22S-DH-X-SWRGYB . . . . .	12	M22S-DRH-Y . . . . .	14
M22-XD-G-X2 . . . . .	67	M22-XST-GB10 . . . . .	70	M22S-DH-Y . . . . .	12	M22S-DRLH-B . . . . .	24
M22-XD-R . . . . .	63, 67	M22-XST-GB11 . . . . .	70	M22S-DI4-S . . . . .	59	M22S-DRLH-G . . . . .	24
M22-XD-R-ETCH . . . . .	67	M22-XST-GB12 . . . . .	70	M22S-DI4-S-ETCH . . . . .	59	M22S-DRLH-R . . . . .	24
M22-XD-R-GB0 . . . . .	63, 67	M22-XST-GB5 . . . . .	70	M22S-DI4-S-X7 . . . . .	59	M22S-DRLH-W . . . . .	24
M22-XD-R-GB5 . . . . .	67	M22-XST-GB6 . . . . .	70	M22S-DLH-G . . . . .	22	M22S-DRLH-Y . . . . .	24
M22-XD-R-X0 . . . . .	63, 67	M22-XST-GB7 . . . . .	70	M22S-DLH-G-K20-G . . . . .	22	M22S-DRL-B . . . . .	20
M22-XD-S . . . . .	67	M22-XST-GB8 . . . . .	70	M22S-DLH-G-K20-230G . . . . .	22	M22S-DRL-G . . . . .	20
M22-XD-SRG . . . . .	67	M22-XST-X52 . . . . .	70	M22S-DLH-R . . . . .	22	M22S-DRL-R . . . . .	20
M22-XD-SWRGYB . . . . .	67	M22-XST-X53 . . . . .	70	M22S-DLH-R-K11-R . . . . .	22	M22S-DRL-W . . . . .	20
M22-XD-S-ETCH . . . . .	67	M22-XST-X88 . . . . .	70	M22S-DLH-R-K11-230R . . . . .	22	M22S-DRL-W-K01-W . . . . .	20
M22-XD-S-GB0 . . . . .	67	M22-XST-X89 . . . . .	70	M22S-DLH-W . . . . .	22	M22S-DRL-W-K01-230W . . . . .	20
M22-XD-S-GB1 . . . . .	67	M22-XST-X93 . . . . .	70	M22S-DLH-W-K20-W . . . . .	22	M22S-DRL-W-K02-W . . . . .	20
M22-XD-S-GB15 . . . . .	67	M22-XYK . . . . .	71	M22S-DLH-W-K20-230W . . . . .	22	M22S-DRL-W-K02-230W . . . . .	20
M22-XD-S-GB16 . . . . .	67	M22-XYK1 . . . . .	71	M22S-DLH-Y . . . . .	22	M22S-DRL-W-K10-W . . . . .	20
M22-XD-S-GB17 . . . . .	67	M22-XYK5 . . . . .	71	M22S-DL-B . . . . .	18	M22S-DRL-W-K11-W . . . . .	20
M22-XD-S-GB18 . . . . .	67	M22-XYK-ETCH . . . . .	71	M22S-DL-G . . . . .	18	M22S-DRL-W-K11-230W . . . . .	20
M22-XD-S-GB2 . . . . .	67	M22-XZK . . . . .	71	M22S-DL-G-K10-G . . . . .	17	M22S-DRL-W-K20-W . . . . .	20
M22-XD-S-GB3 . . . . .	67	M22-XZK-ETCH . . . . .	71	M22S-DL-G-K10-230G . . . . .	17	M22S-DRL-W-K20-230W . . . . .	20
M22-XD-S-GB4 . . . . .	67	M22-XZK-GB99 . . . . .	71	M22S-DL-G-K11-G . . . . .	17	M22S-DRL-X . . . . .	21, 25
M22-XD-S-GB5 . . . . .	67	M22G-XGPV . . . . .	72	M22S-DL-G-K11-230G . . . . .	17	M22S-DRL-Y . . . . .	20
M22-XD-S-GB6 . . . . .	67	M22S-B . . . . .	72	M22S-DL-G-K20-G . . . . .	17	M22S-DRP-G . . . . .	52
M22-XD-S-GB9 . . . . .	67	M22S-DDLF-GR . . . . .	56	M22S-DL-G-K20-230G . . . . .	17	M22S-DRP-G-X . . . . .	53
M22-XD-S-X0 . . . . .	67	M22S-DDLF-GR-ETCH . . . . .	56	M22S-DL-R . . . . .	18	M22S-DRP-R . . . . .	52
M22-XD-S-X1 . . . . .	67	M22S-DDLF-GR-X1-X0 . . . . .	56	M22S-DL-R-K01-R . . . . .	17	M22S-DRP-R-K01 . . . . .	52
M22-XD-S-X10 . . . . .	67	M22S-DDLF-WS . . . . .	56	M22S-DL-R-K01-230R . . . . .	17	M22S-DRP-R-K02 . . . . .	52
M22-XD-S-X11 . . . . .	67	M22S-DDLF-WS-ETCH . . . . .	56	M22S-DL-R-K02-R . . . . .	17	M22S-DRP-R-K11 . . . . .	52
M22-XD-S-X12 . . . . .	67	M22S-DDLF-WS-X1-X0 . . . . .	56	M22S-DL-R-K02-230R . . . . .	17	M22S-DRP-R-K12 . . . . .	52
M22-XD-S-X13 . . . . .	67	M22S-DDLM-GR . . . . .	56	M22S-DL-R-K11-R . . . . .	17	M22S-DRP-R-X . . . . .	53
M22-XD-S-X14 . . . . .	67	M22S-DDLM-GR-ETCH . . . . .	56	M22S-DL-R-K11-230R . . . . .	17	M22S-DRP-S . . . . .	52
M22-XD-S-X15 . . . . .	67	M22S-DDLM-GR-X1-X0 . . . . .	56	M22S-DL-W . . . . .	18	M22S-DRP-S-X . . . . .	53
M22-XD-S-X16 . . . . .	67	M22S-DDLM-WS . . . . .	56	M22S-DL-W-K10-W . . . . .	17	M22S-DRP-Y . . . . .	52
M22-XD-S-X17 . . . . .	67	M22S-DDLM-WS-ETCH . . . . .	56	M22S-DL-W-K10-230W . . . . .	17	M22S-DRP-Y-X . . . . .	53
M22-XD-S-X2 . . . . .	67	M22S-DDLM-WS-X1-X0 . . . . .	56	M22S-DL-W-K11-W . . . . .	17	M22S-DR-B . . . . .	10
M22-XD-S-X4 . . . . .	67	M22S-DDL-GR . . . . .	55	M22S-DL-W-K11-230W . . . . .	17	M22S-DR-G . . . . .	10
M22-XD-S-X5 . . . . .	67	M22S-DDL-GR-ETCH . . . . .	55	M22S-DL-W-K20-W . . . . .	17	M22S-DR-R . . . . .	10
M22-XD-S-X7 . . . . .	67	M22S-DDL-GR-GB1-GB0 . . . . .	55	M22S-DL-W-K20-230W . . . . .	17	M22S-DR-S . . . . .	10
M22-XD-S-X8 . . . . .	67	M22S-DDL-GR-X1-X0 . . . . .	55	M22S-DL-X . . . . .	19, 23	M22S-DR-W . . . . .	10
M22-XD-S-X9 . . . . .	67	M22S-DDL-S . . . . .	55	M22S-DL-Y . . . . .	18	M22S-DR-X . . . . .	11, 15
M22-XD-W . . . . .	67	M22S-DDL-S-ETCH . . . . .	55	M22S-DP-G . . . . .	50	M22S-DR-X-SRG . . . . .	10
M22-XD-W-ETCH . . . . .	67	M22S-DDL-S-X4-X5 . . . . .	55	M22S-DP-G-X . . . . .	51	M22S-DR-X-SWRGYB . . . . .	10
M22-XD-W-GB1 . . . . .	67	M22S-DDL-S-X7-X7 . . . . .	55	M22S-DP-R . . . . .	50	M22S-DR-Y . . . . .	10
M22-XD-W-X1 . . . . .	67	M22S-DDL-WS . . . . .	55	M22S-DP-R-K01 . . . . .	50	M22S-D4-S . . . . .	59
M22-XD-Y . . . . .	67	M22S-DDL-WS-ETCH . . . . .	55	M22S-DP-R-K02 . . . . .	50	M22S-D4-S-ETCH . . . . .	59
M22-XD-Y-ETCH . . . . .	67	M22S-DDL-WS-GB1-GB0 . . . . .	55	M22S-DP-R-K11 . . . . .	50	M22S-D4-S-X7 . . . . .	59
M22-XE5 . . . . .	72	M22S-DDL-WS-X1-X0 . . . . .	55	M22S-DP-R-K12 . . . . .	50	M22S-D-B . . . . .	8
M22-XGPV . . . . .	72	M22S-DH-B . . . . .	12	M22S-DP-R-X . . . . .	51	M22S-D-G . . . . .	8
M22-XGWK . . . . .	72	M22S-DH-G . . . . .	12	M22S-DP-S . . . . .	50	M22S-D-G-GB1 . . . . .	8
M22-XI . . . . .	72	M22S-DH-R . . . . .	12				

M22S-D-G-K01 . . . . .	7	M22S-ST-GB8 . . . . .	71	M22S-WRLK3-2-Y . . . . .	40	M22S-WRS3-MS7-A3 . . . . .	45
M22S-D-G-K02 . . . . .	7	M22S-ST-X . . . . .	70	M22S-WRS . . . . .	43	M22S-WRS3-MS7-A4 . . . . .	46
M22S-D-G-K10 . . . . .	7	M22S-ST-X52 . . . . .	71	M22S-WRS3 . . . . .	45	M22S-WRS3-MS7-A5 . . . . .	46
M22S-D-G-K11 . . . . .	7	M22S-ST-X53 . . . . .	71	M22S-WRS3-A1 . . . . .	45	M22S-WRS3-MS7-A6 . . . . .	46
M22S-D-G-K20 . . . . .	7	M22S-ST-X88 . . . . .	71	M22S-WRS3-A2 . . . . .	45	M22S-WRS3-MS7-A7 . . . . .	46
M22S-D-G-X1 . . . . .	8	M22S-ST-X89 . . . . .	71	M22S-WRS3-A3 . . . . .	45	M22S-WRS3-MS8 . . . . .	45
M22S-D-R . . . . .	8	M22S-ST-X93 . . . . .	71	M22S-WRS3-A4 . . . . .	46	M22S-WRS3-MS8-A1 . . . . .	45
M22S-D-R-GB0 . . . . .	8	M22S-W . . . . .	36	M22S-WRS3-A5 . . . . .	46	M22S-WRS3-MS8-A2 . . . . .	45
M22S-D-R-K01 . . . . .	7	M22S-WJ2H . . . . .	60	M22S-WRS3-A6 . . . . .	46	M22S-WRS3-MS8-A3 . . . . .	45
M22S-D-R-K02 . . . . .	7	M22S-WJ2H-2P . . . . .	60	M22S-WRS3-A7 . . . . .	46	M22S-WRS3-MS8-A4 . . . . .	46
M22S-D-R-K10 . . . . .	7	M22S-WJ2V . . . . .	60	M22S-WRS3-MS2 . . . . .	45	M22S-WRS3-MS8-A5 . . . . .	46
M22S-D-R-K11 . . . . .	7	M22S-WJ2V-2P . . . . .	60	M22S-WRS3-MS2-A1 . . . . .	45	M22S-WRS3-MS8-A6 . . . . .	46
M22S-D-R-K20 . . . . .	7	M22S-WJ4 . . . . .	60	M22S-WRS3-MS2-A2 . . . . .	45	M22S-WRS3-MS8-A7 . . . . .	46
M22S-D-R-X0 . . . . .	8	M22S-WJ4-2P . . . . .	60	M22S-WRS3-MS2-A3 . . . . .	45	M22S-WRS-A1 . . . . .	43
M22S-D-S . . . . .	8	M22S-WK . . . . .	35	M22S-WRS3-MS2-A4 . . . . .	46	M22S-WRS-MS2 . . . . .	43
M22S-D-S-K01 . . . . .	7	M22S-WKV . . . . .	35	M22S-WRS3-MS2-A5 . . . . .	46	M22S-WRS-MS2-A1 . . . . .	43
M22S-D-S-K02 . . . . .	7	M22S-WKV-K10 . . . . .	34	M22S-WRS3-MS2-A6 . . . . .	46	M22S-WRS-MS3 . . . . .	43
M22S-D-S-K10 . . . . .	7	M22S-WKV-K11 . . . . .	34	M22S-WRS3-MS2-A7 . . . . .	46	M22S-WRS-MS3-A1 . . . . .	43
M22S-D-S-K11 . . . . .	7	M22S-WKV-K22 . . . . .	34	M22S-WRS3-MS3 . . . . .	45	M22S-WRS-MS4 . . . . .	43
M22S-D-S-K20 . . . . .	7	M22S-WK3 . . . . .	35	M22S-WRS3-MS3-A1 . . . . .	45	M22S-WRS-MS4-A1 . . . . .	43
M22S-D-W . . . . .	8	M22S-WLK3-B . . . . .	40	M22S-WRS3-MS3-A2 . . . . .	45	M22S-WRS-MS5 . . . . .	43
M22S-D-X . . . . .	9, 13	M22S-WLK3-G . . . . .	40	M22S-WRS3-MS3-A3 . . . . .	45	M22S-WRS-MS5-A1 . . . . .	43
M22S-D-X-SRG . . . . .	8	M22S-WLK3-R . . . . .	40	M22S-WRS3-MS3-A4 . . . . .	46	M22S-WRS-MS6 . . . . .	43
M22S-D-X-SWRGYB . . . . .	8	M22S-WLK3-W . . . . .	40	M22S-WRS3-MS3-A5 . . . . .	46	M22S-WRS-MS6-A1 . . . . .	43
M22S-D-Y . . . . .	8	M22S-WLK3-Y . . . . .	40	M22S-WRS3-MS3-A6 . . . . .	46	M22S-WRS-MS7 . . . . .	43
M22S-PV . . . . .	29	M22S-WR . . . . .	36	M22S-WRS3-MS3-A7 . . . . .	46	M22S-WRS-MS7-A1 . . . . .	43
M22S-PVL . . . . .	31	M22S-WRJ2H . . . . .	60	M22S-WRS3-MS4 . . . . .	45	M22S-WRS-MS8 . . . . .	43
M22S-PVLT . . . . .	31	M22S-WRJ2V . . . . .	60	M22S-WRS3-MS4-A1 . . . . .	45	M22S-WRS-MS8-A1 . . . . .	43
M22S-PVT . . . . .	29	M22S-WRJ4 . . . . .	60	M22S-WRS3-MS4-A2 . . . . .	45	M22S-WR3 . . . . .	36
M22S-R1K . . . . .	62	M22S-WRK . . . . .	35	M22S-WRS3-MS4-A3 . . . . .	45	M22S-WR3-ETCH . . . . .	36
M22S-R1K-RH . . . . .	62	M22S-WRK3 . . . . .	35	M22S-WRS3-MS4-A4 . . . . .	46	M22S-WR3-X94 . . . . .	36
M22S-R10K . . . . .	62	M22S-WRK3-K20 . . . . .	34	M22S-WRS3-MS4-A5 . . . . .	46	M22S-WR4 . . . . .	36
M22S-R10K-RH . . . . .	62	M22S-WRK3-K22 . . . . .	34	M22S-WRS3-MS4-A6 . . . . .	46	M22S-WR-ETCH . . . . .	36
M22S-R100K . . . . .	62	M22S-WRK3-1 . . . . .	35	M22S-WRS3-MS4-A7 . . . . .	46	M22S-WR-X91 . . . . .	36
M22S-R100K-RH . . . . .	62	M22S-WRK3-2 . . . . .	35	M22S-WRS3-MS5 . . . . .	45	M22S-WR-X92 . . . . .	36
M22S-R30 . . . . .	73	M22S-WRK4 . . . . .	35	M22S-WRS3-MS5-A1 . . . . .	45	M22S-WS . . . . .	42
M22S-R4K7 . . . . .	62	M22S-WRK-K10 . . . . .	34	M22S-WRS3-MS5-A2 . . . . .	45	M22S-WS3 . . . . .	43
M22S-R4K7-RH . . . . .	62	M22S-WRK-K11 . . . . .	34	M22S-WRS3-MS5-A3 . . . . .	45	M22S-WS3-MS2 . . . . .	43
M22S-R47K . . . . .	62	M22S-WRK-K22 . . . . .	34	M22S-WRS3-MS5-A4 . . . . .	46	M22S-WS3-MS3 . . . . .	43
M22S-R47K-RH . . . . .	62	M22S-WRLK3-B . . . . .	40	M22S-WRS3-MS5-A5 . . . . .	46	M22S-WS3-MS4 . . . . .	43
M22S-R470K . . . . .	62	M22S-WRLK3-G . . . . .	40	M22S-WRS3-MS5-A6 . . . . .	46	M22S-WS3-MS5 . . . . .	43
M22S-R470K-RH . . . . .	62	M22S-WRLK3-R . . . . .	40	M22S-WRS3-MS5-A7 . . . . .	46	M22S-WS3-MS6 . . . . .	43
M22S-STDD-X . . . . .	70	M22S-WRLK3-W . . . . .	40	M22S-WRS3-MS6 . . . . .	45	M22S-WS3-MS7 . . . . .	43
M22S-ST-D11 . . . . .	71	M22S-WRLK3-Y . . . . .	40	M22S-WRS3-MS6-A1 . . . . .	45	M22S-WS3-MS8 . . . . .	43
M22S-ST-D12 . . . . .	71	M22S-WRLK3-1-B . . . . .	40	M22S-WRS3-MS6-A2 . . . . .	45	M22S-WS-MS2 . . . . .	42
M22S-ST-GB0 . . . . .	71	M22S-WRLK3-1-G . . . . .	40	M22S-WRS3-MS6-A3 . . . . .	45	M22S-WS-MS3 . . . . .	42
M22S-ST-GB1 . . . . .	71	M22S-WRLK3-1-R . . . . .	40	M22S-WRS3-MS6-A4 . . . . .	46	M22S-WS-MS4 . . . . .	42
M22S-ST-GB10 . . . . .	71	M22S-WRLK3-1-W . . . . .	40	M22S-WRS3-MS6-A5 . . . . .	46	M22S-WS-MS5 . . . . .	42
M22S-ST-GB11 . . . . .	71	M22S-WRLK3-1-Y . . . . .	40	M22S-WRS3-MS6-A6 . . . . .	46	M22S-WS-MS6 . . . . .	42
M22S-ST-GB12 . . . . .	71	M22S-WRLK3-2-B . . . . .	40	M22S-WRS3-MS6-A7 . . . . .	46	M22S-WS-MS7 . . . . .	42
M22S-ST-GB5 . . . . .	71	M22S-WRLK3-2-G . . . . .	40	M22S-WRS3-MS7 . . . . .	45	M22S-WS-MS8 . . . . .	42
M22S-ST-GB6 . . . . .	71	M22S-WRLK3-2-R . . . . .	40	M22S-WRS3-MS7-A1 . . . . .	45	M22S-W3 . . . . .	36
M22S-ST-GB7 . . . . .	71	M22S-WRLK3-2-W . . . . .	40	M22S-WRS3-MS7-A2 . . . . .	45	V-M20 . . . . .	72

# 47.4

## Pushbuttons and Indicating Lights

M22 Modular Pushbuttons



# 47.4

## Pushbuttons and Indicating Lights

M22 Modular Pushbuttons

Eaton's Electrical Sector is a global leader in power distribution, power quality, control & automation and monitoring products. When combined with Eaton's full-scale engineering services, these products provide customer-driven PowerChain Management® solutions to serve the power system needs of the data center, industrial, institutional, public sector, utility, commercial, residential, IT, mission critical, alternative energy and OEM markets worldwide.

PowerChain Management solutions help enterprises achieve sustainable and competitive advantages through proactive management of the power system as a strategic, integrated asset throughout its life cycle, resulting in enhanced safety, greater reliability and energy efficiency. For more information, visit [www.eaton.com/electrical](http://www.eaton.com/electrical).

**Eaton Corporation**  
Electrical Sector  
1111 Superior Ave.  
Cleveland, OH 44114  
United States  
877-ETN-CARE (877-386-2273)  
[Eaton.com](http://Eaton.com)

© 2009 Eaton Corporation  
All Rights Reserved  
Printed in USA  
Publication No. CA04716001E / Z9092  
October 2009



**PowerChain  
Management®**

PowerChain Management is a registered trademark of Eaton Corporation.

All other trademarks are property of their respective owners.